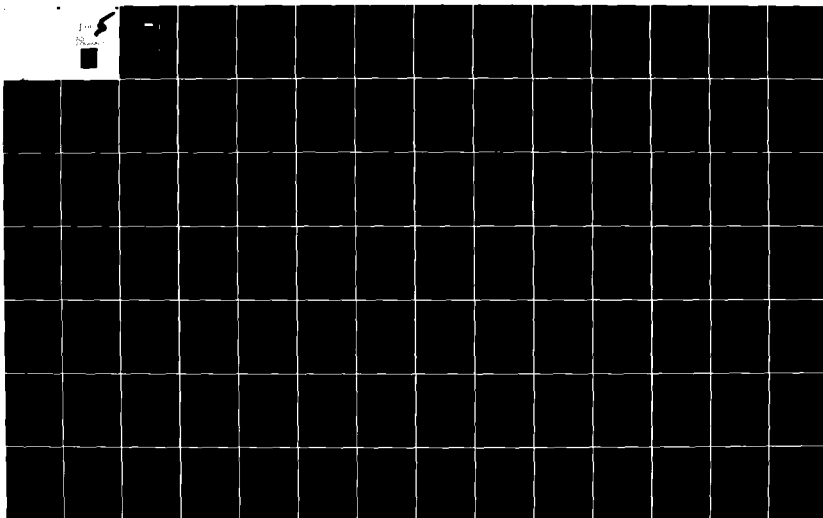


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APR 72  
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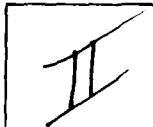
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DATA PROCESSING DIVISION  
USAFETAC  
Air Weather Service ( MAC )

AD A088957

REVISED UNIFORM SUMMARY OF  
SURFACE WEATHER OBSERVATIONS

*KUNG KUAN*  
~~TAI CHUNG~~ TAIWAN/CHING CHUAN KANG WBAN# 42218  
N 24 16 E 120 37 ELEV ~~573~~ FT RCMQ WMO# 46770  
*663*

PARTS A-F

POR FROM HOURLY OBS JAN 69-DEC 71  
POR FROM DAILY OBS JAN-APR 69, JUL 69-DEC 71

APR 11 1972

FEDERAL BUILDING  
ASHEVILLE, N. C.

*THIS*  
*SALE* (52112)

DS-80-083 b

: 80 9 9 014

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REPORT DOCUMENTATION PAGE		READ INSTRUCTIONS BEFORE COMPLETING FORM															
1. REPORT NUMBER USAFETAC/DS-80/083	2. GOVT ACCESSION NO.	3. RECIPIENT'S CATALOG NUMBER															
4. TITLE (and Subtitle) Revised Uniform Summary of Surface Weather Observations (RUSSWO)- Ching Chuan Kang AB, Kung Kuan, Formosa		5. TYPE OF REPORT & PERIOD COVERED Final rept.															
7. AUTHOR(s)		6. PERFORMING ORG. REPORT NUMBER															
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11. CONTROLLING OFFICE NAME AND ADDRESS USAFETAC/CBD Air Weather Service (MAC) Scott AFB IL 62225		10. PROGRAM ELEMENT, PROJECT, TASK AREA & WORK UNIT NUMBERS															
14. MONITORING AGENCY NAME & ADDRESS (if different from Controlling Office)		12. REPORT DATE 11 Apr, 72															
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17. DISTRIBUTION STATEMENT (of the abstract entered in Block 20, if different from Report)																	
18. SUPPLEMENTARY NOTES																	
19. KEY WORDS (Continue on reverse side if necessary and identify by block number) <table border="0"> <tr> <td>*RUSSWO</td> <td>Daily temperatures</td> <td>Atmospheric pressure</td> </tr> <tr> <td>Snowfall</td> <td>Extreme snow depth</td> <td>Extreme surface winds</td> </tr> <tr> <td>Climatology</td> <td>Sea-level pressure</td> <td>Psychrometric summary</td> </tr> <tr> <td>Surface Winds</td> <td>Extreme temperature</td> <td>Ceiling versus visibility</td> </tr> <tr> <td>Relative Humidity</td> <td>*Climatological data</td> <td>(over)</td> </tr> </table>			*RUSSWO	Daily temperatures	Atmospheric pressure	Snowfall	Extreme snow depth	Extreme surface winds	Climatology	Sea-level pressure	Psychrometric summary	Surface Winds	Extreme temperature	Ceiling versus visibility	Relative Humidity	*Climatological data	(over)
*RUSSWO	Daily temperatures	Atmospheric pressure															
Snowfall	Extreme snow depth	Extreme surface winds															
Climatology	Sea-level pressure	Psychrometric summary															
Surface Winds	Extreme temperature	Ceiling versus visibility															
Relative Humidity	*Climatological data	(over)															
20. ABSTRACT (Continue on reverse side if necessary and identify by block number) This report is a six-part statistical summary of surface weather observations for Ching Chuan Kang AB, Kung Kuan, Formosa It contains the following parts: (A) Weather Conditions; Atmospheric Phenomena; (B) Precipitation, Snowfall and Snow Depth (daily amounts and extreme values); (C) Surface winds; (D) Ceiling versus Visibility; Sky Cover; (E) Psychrometric Summaries (daily maximum and minimum temperatures, extreme maximum and minimum temperatures, psychrometric summary of wet-bulb temperature depression versus dry-bulb temperature, means and standard deviations of dry-bulb, wet-bulb (over)																	



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SECURITY CLASSIFICATION OF THIS PAGE(When Data Entered)

19. Percentage frequency of distribution tables  
Dry-bulb temperature versus wet-bulb temperature  
Cumulative percentage frequency of distribution tables

\* Formosa

\*\* Ching Chuan Kang AB, Kung Kuan, Formosa

20. and dew point temperatures and relative humidity); and (F) Pressure  
Summary (means, standard, deviations, and observation counts of  
station pressure and sea-level pressure). Data in this report are  
presented in tabular form, in most cases in percentage frequency of  
occurrence or cumulative percentage frequency of occurring tables.

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SECURITY CLASSIFICATION OF THIS PAGE(When Data Entered)

DATA PROCESSING DIVISION  
WAFETAC OL-1  
AIR WEATHER SERVICE (WAC)

## REVISED UNIFORM SUMMARY OF SURFACE WEATHER OBSERVATIONS

### HOURLY OBSERVATIONS

Hourly observations are defined as those record or record-special observations recorded at scheduled hourly intervals.

### DAILY OBSERVATIONS

Daily observations are selected from all data recorded on reporting forms and combined into Summary of the Day observations. (Selected from record-special, local, summary of the day, remarks, etc.)

### DESCRIPTION OF SUMMARIES

Preceding each section is a brief description of the data comprising each part of the Revised Uniform Summary of Surface Weather Observations and the manner of presentation. Tabulations are prepared from hourly and daily observations recorded by stations operated by the U. S. Services and some foreign stations using similar reporting practices.

Unless otherwise noted the following summaries are included for this station:

#### PART A WEATHER CONDITIONS

##### ATMOSPHERIC PHENOMENA

#### PART B PRECIPITATION

##### SNOWFALL

##### SNOW DEPTH

#### PART C SURFACE WINDS

#### PART D CEILING VERSUS VISIBILITY

##### SKYCOVER

#### PART E DAILY MAX, MIN, & MEAN TEMP

##### EXTREME MAX & MIN TEMP

##### PSYCHROMETRIC-DRY VS WET BULB

##### MEAN & STD DEV.

##### (DRY BULB, WET BULB, & DEW POINT)

##### RELATIVE HUMIDITY

#### PART F STATION PRESSURE

##### SEA LEVEL PRESSURE DATA NOT AVAILABLE

### STANDARD 3-HOUR GROUPS

All summaries requiring diurnal variations are summarized in eight 3-hour periods corresponding to the following sets of hourly observations: 0000-0200, 0300-0500, 0600-0800, 0900-1100, 1200-1400, 1500-1700, 1800-2000, 2100-2300 hours local standard time.

### MISSING HOUR GROUPS

Summary sheets are omitted when stations maintaining limited observing schedules did not report certain three-hour periods for any particular month during the available period of record. Such missing sheets are listed below, and are applicable to all summaries prepared from hourly observations.

JANUARY \_\_\_\_\_

FEBRUARY \_\_\_\_\_

MARCH \_\_\_\_\_

APRIL \_\_\_\_\_

MAY \_\_\_\_\_

JUNE \_\_\_\_\_

JULY \_\_\_\_\_

AUGUST \_\_\_\_\_

SEPTEMBER \_\_\_\_\_

OCTOBER \_\_\_\_\_

NOVEMBER \_\_\_\_\_

DECEMBER \_\_\_\_\_

STATION NO ON SUMMARY		STATION NAME		LATITUDE		LONGITUDE		STATION TYPE		WMO NUMBER	
42218		TAI-CHUNG TAIWAN/CHING CHUAN KANG		N 24 16		E 120 37		673		RCHQ 46770	
<b>STATION LOCATION AND INSTRUMENTATION HISTORY</b>											
NUMBER OF LOCATION	GEOGRAPHICAL LOCATION & NAME	TYPE OF STATION	AT THIS LOCATION		LATITUDE	LONGITUDE	ELEVATION ABOVE MSL		OBS PER DAY		
			FROM	TO			STATION	BAROMETER			
1	Ching Chuan Kang AB, Taiwan	AB	Jan 69	Apr 69	N 24 16	E 120 37	673	673	24		
2	No change	AB	May 69	Dec 71	No change	No change	No chge	No chge			
<b>SURFACE WIND EQUIPMENT INFORMATION</b>											
NUMBER OF LOCATION	DATE OF CHANGE	LOCATION	TYPE OF TRANSMITTER	TYPE OF RECORDER	HT ABOVE GROUND	REMARKS: ADDITIONAL EQUIPMENT, OR REASON FOR CHANGE					
1	Jan 69 to Apr 69	Not available.	N/A	N/A	N/A						
2	May 69 to Dec 71	Located 500 ft E of centerlines of Rwy 360 N and 180 S, 1870 ft from 360 N and 2000 ft from 180 S ends.	AN/GMQ-11	HO-2	13 Ft						
			AN/GMQ-11		13 Ft						

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE (MAC)  
ASHEVILLE, NORTH CAROLINA

## PART A

## WEATHER CONDITIONS

This summary is a percentage frequency occurrence of various atmospheric phenomena and obstructions to vision, derived from hourly observations, and is presented in two tables as follows:

1. By month and annual, all hours and years combined.
2. By month, all years combined, by standard 3-hour groups.

Occurrences of the various phenomena included in each category on the forms are listed below:

Thunderstorms - All reported occurrences of thunderstorm, tornado, and waterspout.

Rain and/or drizzle - All liquid precipitation, falling to the ground, not freezing.

Freezing rain and/or freezing drizzle (glaze) - Precipitation falling in liquid form, but freezing on contact with an unheated surface.

Snow and/or sleet - Included are snow, sleet, snow pellets (soft hail), snow grains, and ice crystals.

Hail - Occurrences of hail and small hail are included.

Percentage of observations with precipitation - Included in this category are the observations when one or more of the above phenomena occurred. Since more than one type of precipitation may be reported in the same observation, the sums of the individual categories may exceed the total columns.

Fog - Included are fog, ice fog, and ground fog.

Smoke and/or haze - Occurrences of smoke, haze, or combinations of smoke and haze are included.

Blowing snow - Occurrences of blowing snow (also drifting snow when reported from non-WBAN sources.)

Dust and/or sand - Included are blowing dust, blowing sand, and dust.

Blowing spray - This item if reported, is not shown in a separate category on this form but is included in the computation Percentage of Observations with Obstructions to Vision, below.

Percentage of observations with obstructions to vision - Included in this category are the observations when one or more of the above obstructions to vision occurred. Since more than one type of obstruction may be reported in the same observation, the sums of the individual categories may exceed the percentage total columns. Also, although precipitation may reduce visibility, it is not considered an obstruction to vision for purposes of this summary; therefore, the percentage total of obstructions to vision need not reflect the total observations with reduced visibility.

DATA PROCESSING DIVISION  
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AIR WEATHER SERVICE/ IAC

## WEATHER CONDITIONS

42210 TAI-CHUNG TAIWAN/CHING CHUAN KANG 69-71 ALL  
STATION STATION NAME YEARS MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER  
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND OR SLEET	HAIL	% OF OBS WITH PRECIP	FOG	SMOKE AND OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS
JAN	ALL	.1	10.7				10.7	31.7	20.0			51.2	2230
FEB		.3	8.9				8.9	39.7	20.3			59.2	2016
MAR		.1	13.7				13.7	43.0	25.4			69.9	2232
APR		.2	5.8				5.8	36.8	37.3			72.9	2160
MAY		.6	9.5				9.5	22.2	32.5			54.1	2231
JUN		.8	13.4				13.4	20.0	26.0			49.9	2160
JUL		1.3	3.5				3.5	13.8	19.5			33.2	2231
AUG		1.1	5.9				5.9	22.7	26.0			48.6	2232
SEP		.5	14.9				14.9	31.7	28.5		.1	60.2	2160
OCT		.1	6.3				6.3	21.1	31.5			52.6	2232
NOV			3.9				3.9	17.1	29.3		.1	46.5	2160
DEC			6.2				6.2	34.7	27.0			61.5	2189
TOTALS		.4	8.6				8.6	28.0	26.9		.0	54.7	26233

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## WEATHER CONDITIONS

42218 TAI-CHUNG TAIWAN/CHING CHUAN KANG 69-71

STATION

STATION NAME

YEARS

JAN  
MONTH

### PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS
JAN	00-02		12.3				12.3	41.9	6.5			48.4	277
	03-05	.4	16.1				16.1	42.7	2.9			45.5	279
	06-08		10.8				10.8	45.2	10.0			55.2	279
	09-11		12.2				12.2	24.0	34.8			58.4	279
	12-14		7.5				7.5	11.5	39.1			50.2	279
	15-17		6.1				6.1	15.4	32.6			47.3	279
	18-20		8.6				8.6	36.2	20.8			54.5	279
	21-23	.4	12.2				12.2	36.6	13.3			49.8	279
TOTALS		.1	10.7				10.7	31.7	20.0			51.2	2230

DATA PROCESSING DIVISION  
 SAF ETAC  
 AIR WEATHER SERVICE/ IAC

## WEATHER CONDITIONS

4221 TAIPEI TAIWAN/CHINA CHUAN KANG 69-71

STATION

STATION NAME

YEARS

PER

MONTH

### PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST)	THUNDER- STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND OR SLEET	HAIR	% OF OBS WITH PRECIP	FOG	SMOKE AND OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS
FEB	00-02	.4	9.1				9.1	49.2	10.7			59.9	252
	03-05		10.7				10.7	49.2	10.3			59.5	252
	06-08		12.3				12.3	53.2	12.3			65.3	252
	09-11		6.7				6.7	36.1	34.9			68.7	252
	12-14	.4	6.0				6.0	15.9	40.5			54.9	252
	15-17	.8	7.1				7.1	23.4	23.8			46.0	252
	18-20	.4	9.5				9.5	43.7	16.7			59.1	252
	21-23		9.5				9.5	46.9	13.5			60.3	252
TOTALS		.3	8.9				8.9	39.7	20.3			59.2	2016



DATA PROCESSING DIVISION  
 SAF ETAF  
 AIR WEATHER SERVICE/TAC

## WEATHER CONDITIONS

42217 TAI-CHING TAI/AN/CHING CHUAN KANG 69-71

STATION

STATION NAME

YEARS

4K  
 MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER  
 CONDITIONS FROM DAILY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND OR SLEET	HAIR	% OF OBS WITH PRECIP.	FOG	SMOKE AND OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS
APR	00-02		14.0				14.0	54.5	12.9			67.4	279
	03-05		20.4				20.4	62.0	9.7			71.7	279
	06-08		17.9				17.9	62.0	15.4			77.4	279
	09-11		12.5				12.5	36.2	40.1			76.0	279
	12-14		7.5				7.5	26.2	44.1			69.2	279
	15-17	.4	8.2				8.2	31.5	35.5			65.9	279
	18-20		13.3				13.3	40.9	24.7			68.1	279
	21-23		15.1				15.1	47.0	16.5			63.4	279
TOTALS		.1	13.7				13.7	43.0	25.4			69.9	2232

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## WEATHER CONDITIONS

42218 TAI-CHUNG TAIWAN/CHING CHUAN KANG 69-71

STATION

STATION NAME

YEARS

APR  
MONTH

### PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS
APR	00-02		2,2				2,2	56,7	21,5			77,8	270
	03-05		6,3				6,3	60,4	12,2			72,2	270
	06-08		7,4				7,4	57,0	26,7			81,5	270
	09-11		5,6				5,6	22,6	56,3			76,7	270
	12-14	.4	6,3				6,3	11,1	61,1			71,1	270
	15-17	1,1	7,4				7,4	13,7	47,0			60,0	270
	18-20	.4	7,4				7,4	31,5	43,3			72,6	270
	21-23		3,7				3,7	41,1	30,4			71,5	270
TOTALS		.2	5,8				5,8	36,8	37,3			72,9	2160

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## WEATHER CONDITIONS

42219 TAI-CHUNG TAIWAN/CHING CHUAN KANG 69-71

STATION

STATION NAME

YEARS

DAY  
MONTH

### PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS
MAY	00-02		7.9				7.9	34.2	23.7			57.9	276
	03-05		10.4				10.4	49.1	14.7			62.7	279
	06-08	1.4	12.2				12.2	43.0	35.1			74.9	279
	09-11	1.8	8.2				8.2	11.1	30.2			61.3	279
	12-14	.4	7.9				7.9	3.9	40.9			44.8	279
	15-17	.4	10.4				10.4	2.9	29.4			32.3	279
	18-20	.7	9.7				9.7	10.4	36.2			46.2	279
	21-23		9.0				9.0	22.6	30.1			52.3	279
TOTALS		.6	9.5				9.5	22.2	32.5			54.1	2231

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## WEATHER CONDITIONS

4221<sup>st</sup> TAI-CHUNG TAIWAN/CHING CHUAN KANG 69-71  
STATION STATION NAME YEARS

JUL  
MONTH

### PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS
JUL	00-02		11.9				11.9	34.4	20.0			54.8	270
	03-05		11.9				11.9	47.4	14.1			61.5	270
	06-08		11.5				11.5	39.3	38.5			77.0	270
	09-11	.7	10.0				10.0	7.4	42.2			49.3	270
	12-14		13.7				13.7	4.4	23.3			27.8	270
	15-17	2.2	14.1				14.1	5.2	15.2			20.4	270
	18-20	3.3	18.9				18.9	8.5	27.8			36.3	270
	21-23	.4	15.2				15.2	13.3	27.0			40.4	270
TOTALS		.8	13.4				13.4	20.0	26.0			45.9	2160

2

DATA PROCESSING DIVISION  
USAF ETAL  
AIR WEATHER SERVICE/MAC

## WEATHER CONDITIONS

42215 TAI-CHUNG TAIWAN/CHING CHUAN KANG 69-71

STATION

STATION NAME

YEARS

JUL

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER  
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
JUL	00-02	.4	1.4				1.4	23.3	15.8			39.1	279
	03-05		1.1				1.1	36.9	9.0			45.9	279
	06-08		2.5				2.5	33.0	34.8			67.4	279
	09-11		5.4				5.4	2.5	36.2			38.7	279
	12-14	1.4	4.3				4.3	1.4	19.0			20.4	279
	15-17	3.6	5.4				5.4	.4	9.7			10.0	279
	18-20	4.3	6.1				6.1	3.6	17.6			21.2	278
	21-23	.4	1.8				1.8	9.0	13.6			22.6	279
TOTALS		1.3	3.5				3.5	13.8	19.5			33.2	2231

DATA PROCESSING DIVISION  
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AIR WEATHER SERVICE/MAC

## WEATHER CONDITIONS

42218 TAI-CHUNG TAIWAN/CHING CHUAN KANG 69-71

STATION

STATION NAME

YEARS

AUG

MONTH

### PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND OR SLEET	HAIL	% OF OBS WITH PRECIP	FOG	SMOKE AND OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS
AUG	00-02	.4	2.5				2.5	41.7	11.5			53.4	279
	03-05		3.2				3.2	53.8	5.4			59.1	279
	06-08	.7	4.7				4.7	50.5	26.9			77.4	279
	09-11		4.7				4.7	5.7	53.8			59.5	279
	12-14	.4	5.0				5.0	1.8	38.7			40.5	279
	15-17	2.5	12.5				12.5	2.9	21.1			24.0	279
	18-20	3.6	10.4				10.4	9.3	26.9			36.2	279
	21-23	1.1	4.3				4.3	15.4	23.3			38.7	279
TOTALS		1.1	5.9				5.9	22.7	26.0			48.6	2232

2

DATA PROCESSING DIVISION  
USAF ETAC  
AFR WEATHER SERVICE/TAC

## WEATHER CONDITIONS

42213 TAI-CHUNG TAIWAN/CHING CHUAN KANG 69-71

STATION

STATION NAME

YEARS

SEP  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER  
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS.
SEP	00-02	.7	14.4				14.4	57.4	7.8			65.2	270
	03-05		15.6				15.6	64.8	4.4			69.3	270
	06-08		13.7				13.7	55.2	18.5			73.7	270
	09-11	.4	16.3				16.3	12.6	54.8			67.4	270
	12-14		13.3				13.3	5.2	48.1			53.3	270
	15-17	2.6	14.4				14.4	4.1	40.4		.4	44.8	270
	18-20	.4	16.3				16.3	16.3	35.9			52.2	270
	21-23		15.2				15.2	37.8	17.8			53.6	270
TOTALS		.5	14.9				14.9	31.7	28.5		.1	60.2	2160

2

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## WEATHER CONDITIONS

42213 TAI-CHUNG TAIWAN/CHING CHUAN KANG 09-71

STATION

STATION NAME

YEARS

017  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER  
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS
01	00-02		5.0				5.0	35.8	13.6			49.5	279
	03-05		5.7				5.7	41.6	10.0			51.6	279
	06-08		6.1				6.1	40.9	24.0			64.9	279
	09-11		4.7				4.7	8.2	52.7			60.9	279
	12-14		7.2				7.2	2.2	50.2			52.3	279
	15-17	.7	7.2				7.2	1.4	45.5			47.0	279
	18-20	.4	9.3				9.3	14.7	35.8			50.5	279
	21-23		5.0				5.0	23.7	20.4			44.1	279
TOTALS		.1	6.3				6.3	21.1	31.5			52.6	2232



DATA PROCESSING DIVISION  
USAF ETAG  
AIR WEATHER SERVICE/MAC

## WEATHER CONDITIONS

42218 TAI-CHUNG TAIWAN/CHING CHUAN KANG 69-71

STATION

STATION NAME

YEARS

MONTH

### PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
NOV	00-02		2,2				2,2	34,1	6,7			40,7	270
	03-05		5,6				5,6	33,0	7,0			40,0	270
	06-08		6,3				6,3	29,6	25,9			55,6	270
	09-11		3,7				3,7	4,4	38,1			62,6	270
	12-14		2,6				2,6	2,2	42,6		.4	45,2	270
	15-17		3,7				3,7	2,2	40,4			42,6	270
	18-20		2,6				2,6	9,6	34,4			44,1	270
	21-23		4,1				4,1	21,9	19,3			41,1	270
TOTALS			3,9				3,9	17,1	29,3		.1	46,5	2160

1 DATA PROCESSING DIVISION  
2 USAF ETAG  
AIR WEATHER SERVICE/MAC

## WEATHER CONDITIONS

4221P TAI-CHING TAIWAN/CHING CHUAN KANG 69-71 DEC  
STATION STATION NAME YEARS MONTH

### PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST.)	THUNDER- STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS
DEC	00-02		5.4				5.4	53.3	5.8			59.1	270
	03-05		5.4				5.4	50.7	5.8			56.5	276
	06-08		8.1				8.1	45.8	19.8			63.7	273
	09-11		4.8				4.8	18.7	51.3			69.2	273
	12-14		6.6				6.6	10.3	53.5			63.7	273
	15-17		6.6				6.6	15.0	45.1			60.1	273
	18-20		5.5				5.5	36.3	23.1			59.3	273
	21-23		7.4				7.4	47.8	11.4			59.2	272
TOTALS			6.2				6.2	34.7	27.0			61.5	2189

## PART A

## ATMOSPHERIC PHENOMENA

This summary is a presentation of the percentage of days with occurrences of various atmospheric phenomena. These data are obtained from all recorded information on the reporting forms and combined into a daily observation.

The descriptions of the phenomena in the Weather Conditions Summary above also apply for the categories summarized in these tabulations. However, it should be noted that in this summary the columns headed "% OF OBS WITH PRECIP" and "% OF OBS WITH OBST TO VISION" show the percentage of days rather than percentage of observations. Since more than one type of precipitation or more than one type of obstruction may occur in the same daily observation, the sum of the values in the individual columns may not equal the total columns.

This presentation is by month with annual totals, and is prepared with all years combined.

NOTE: A day with rain and/or drizzle was not separately reported in WBAN data prior to January 1949. Therefore percentages in this column are restricted to the period January 1949 and later.

A day with dust and/or sand was punched and included in this summary only when visibility was less than  $5/8$  mile.

DATA PROCESSING DIVISION  
SAF ETAC  
AIR WEATHER SERVICE/TAC

XXX WEATHER CONDITIONS  
XXXXXXXXXXXXXXXXXXXXXXXXXXXX  
ATMOSPHERIC PHENOMENA

42213 TAI-CHUNG TAIWAN/CHING CHUAN KANG 69-71 ALL  
STATION STATION NAME YEARS MONTH

PERCENTAGE OF DAYS WITH VARIOUS ATMOSPHERIC PHENOMENA  
FROM DAILY OBSERVATIONS

MONTH	HOURS (LST)	THUNDER- STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND OR SLEET	HAIL	% OF OBS WITH PRECIP	FOG	SMOKE AND OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS
JAN	DAILY	2.2	40.2				40.9	69.9	72.0			84.9	93
FEB		2.4	38.1				38.1	75.0	70.2			91.7	94
MAR		2.2	48.4				48.4	84.9	73.1			97.8	93
APR		2.2	30.0				30.0	84.4	84.4			93.6	90
MAY		4.8	41.9				41.9	79.0	93.2			98.4	62
JUN		10.0	31.7				31.7	70.0	90.0			93.3	61
JUL		13.1	26.2				26.9	60.2	81.7			87.1	93
AUG		14.0	30.1				30.1	78.5	84.9			92.5	93
SEP		10.0	35.6				35.6	87.8	84.4			93.3	90
OCT		1.1	21.5				21.5	61.3	79.6			83.9	93
NOV			17.8				17.8	60.0	77.8			84.4	90
DEC			31.9				31.9	79.1	83.5			91.2	91
TOTALS		5.3	32.9				32.9	74.2	81.4			91.2	1032

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE (WAC)  
ASHEVILLE, NORTH CAROLINA

## PART B                      PRECIPITATION, SNOWFALL & SNOW DEPTH

This portion of the Uniform Summary presents in two sets of tables, the daily amounts and extreme values of the following:

PRECIPITATION	DERIVED FROM DAILY OBSERVATIONS
SNOWFALL*	DERIVED FROM DAILY OBSERVATIONS
SNOW DEPTH	DERIVED FROM DAILY OBSERVATIONS

1. The first table for each of the above presents the percentage frequency of various daily amounts, by month and annual, all years combined. The percentage of days with measurable amounts is also computed monthly and annually. Also shown for the precipitation and snowfall tables, are the monthly mean amounts, annual mean amounts (sum of monthly mean amounts), and the extreme monthly amounts (greatest and least). The latter statistics above are not presented for the snow depth summary since they would have limited use and may be misleading.
2. The second set of tables for each of the above presents the extreme daily amounts by individual year and month for the entire period of record available. Also provided are the means and standard deviations for each month and annual (all months). The extremes for a month are not printed nor used in computations if one or more observations are missing.

NOTE: Snow depth was recorded and punched at various hours during the period available from U. S. operated stations. The periods and hours used in the snow depth summary vary by service and period as follows:

Air Force Stations	From beginning of record thru 1945	Snow depth at 0800 LST
	Jan 46-May 57	Snow depth at 1230 GCT
	Jun 57-present	Snow depth at 1200 GCT
U. S. Navy and Weather Bureau Stations	From beginning of record thru Jun 52	Snow depth at 0030 GCT
	Jul 52-May 57	Snow depth at 1230 GCT
	Jun 57-present	Snow depth at 1200 GCT

\* Hail was included in snowfall occurrence in the summary of the day observation prior to Jan 1956,

ATMOSPHERIC DIVISION  
NAVY DEPT  
AIR WEATHER SERVICE/ WAC

# DAILY AMOUNTS

PERCENTAGE FREQUENCY OF  
PRECIPITATION  
(FROM DAILY OBSERVATIONS)

4221 TAI-CHUNG TAI-KAN/CHING CHUAN KANG 69-71

STATION

STATION NAME

YEARS

PRECIP	NONE	TRACE	AMOUNTS (INCHES)												PERCENT OF DAYS WITH MEASUR- ABLE AMTS	TOTAL NO. OF OBS.	MONTHLY AMOUNTS (INCHES)		
			01	02-05	06-10	11-25	26-50	51-100	101-250	251-500	501-1000	1001-2000	OVER 2000	MEAN			GREATEST	LEAST	
SNOWFALL	NONE	TRACE	01-0.4	0.5-1.4	1.5-2.4	2.5-3.4	3.5-4.4	4.5-6.4	6.5-10.4	10.5-15.4	15.5-25.4	25.5-50.4	OVER 50.4						
SNOW DEPTH	NONE	TRACE	1	2	3	4-6	7-12	13-24	25-36	37-48	49-60	61-120	OVER 120						
JAN	57.0	17.4		14.0	4.3	2.2	3.2	2.7						25.3	53	1.75	1.93	.91	
FEB	50.7	17.3	3.4	3.4	3.6		4.8	6.0						21.4	64	1.85	3.85	.37	
MAR	61.3	3.2	4.8	8.1	11.3	6.3	1.6	1.6	1.6					35.5	62	2.21	4.02	.34	
APR	60.0	17.0	2.2	5.6		3.3	4.4	3.3						11.9	90	1.35	1.91	.92	
MAY	50.3	12.4	3.2	6.5	1.0	3.2	3.2	8.1	4.8					30.6	62	2.12	7.47	2.77	
JUN	5.3	17.0		3.3	1.7	8.3	1.7	3.3	0.7	1.7				26.7	60	4.02	6.97	2.86	
JUL	57.0	24.7	1.1	3.2	2.2	2.2	2.2	1.1	0.3					15.3	93	3.35	3.59	3.06	
AUG	62.2	14.3	0.3		1.6	3.2	1.6	4.8	1.6	1.6	1.6			22.6	62	6.18	9.28	3.08	
SEP	61.7	11.7	1.7	10.0			5.0	1.7	3.3	1.7	1.7	1.7		28.7	60	15.14	22.11	3.17	
OCT	72.0	14.1		3.2	3.2	1.6	3.2							11.3	62	.50	.51	.48	
NOV	83.3	11.7		3.3			1.7							3.0	60	.15	.37	TRACE	
DEC	53.2	22.0	1.0	9.7	4.8	3.2	3.2	1.6						24.2	62	1.09	1.71	.46	
ANNUAL	62.5	17.3	2.1	5.9	2.9	2.8	3.0	2.8	2.0	.4	.3	.1		22.2	850	44.15			

## EXTREME VALUES

100-101-111  
100-101-111

STATION	STATION NAME	STATION NUMBER
1224	121-001-10 TALLAHASSEE C. CHAM. BLDG	69-71

252

64 - 200-279075 - 1 - 10/28/53

[illegible]

## EXTREME VALUES

SECRET

0222	TAI-Comm 6 TAI-PAN/CHING CHONG RANG	09-71
STATION	STATION NAME	

1525

24 HOUR STUDENTS IF INCHES  
LOADED IN LESS THAN FULL MONTHS/

[illegible]



DATA PROCESSING DIVISION  
SAC ETAC  
AIR FATALITY SERVICE/AC

# DAILY AMOUNTS

PERCENTAGE FREQUENCY OF  
SNOWFALL  
(FROM DAILY OBSERVATIONS)

4221 TAI-CHUNG TAIWAN/CHING CHUAN KANG 69-71

STATION

STATION NAME

YEARS

PRECIP	AMOUNTS (INCHES)													PERCENT OF DAYS WITH MEASUR- ABLE AMTS	TOTAL NO. OF OBS.	MONTHLY AMOUNTS (INCHES)		
	NONE	TRACE	.01	.02-.05	.06-.10	.11-.25	.26-.50	.51-1.00	1.01-2.50	2.51-5.00	5.01-10.00	10.01-20.00	OVER 20.00			MEAN	GREATEST	LEAST
SNOWFALL	NONE	TRACE	0.1-0.4	0.5-1.4	1.5-2.4	2.5-3.4	3.5-4.4	4.5-6.4	6.5-10.4	10.5-15.4	15.5-25.4	25.5-50.4	OVER 50.4					
SNOW DEPTH	NONE	TRACE	1	2	3	4-6	7-12	13-24	25-36	37-48	49-60	61-120	OVER 120					
JAN	100.0														62	.0	.0	.0
FEB	100.0														54	.0	.0	.0
MAR	100.0														62	.0	.0	.0
APR	100.0														60	.0	.0	.0
MAY	100.0														62	.0	.0	.0
JUN	100.0														60	.0	.0	.0
JUL	100.0														93	.0	.0	.0
AUG	100.0														93	.0	.0	.0
SEP	100.0														90	.0	.0	.0
OCT	100.0														93	.0	.0	.0
NOV	100.0														90	.0	.0	.0
DEC	100.0														62	.0	.0	.0
ANNUAL	100.0														883	.0		

## EXTREME VALUES

42214 TAI-CHUNG TAIWAN/CHING CHUAN KANG 09-71  
STATION STATION NAME

YEARS

24 HOURS QUANTITY IN INCHES

YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
67													
70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
MEAN	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
S. D.													
TOTAL OBS.	62	56	62	60	62	60	93	93	90	93	90	62	843

## EXTREME VALUES

FALL  
FROM DAILY OBSERVATION

42219 THAI-CHONG TAIKANG/CHONG CHUAN KANG 69-71  
STATION STATION NAME

YEARS

24 HOUR ADULTS IN INCHES  
/BASED ON LESS THAN FULL MONTHS/

[illegible]

DATA PROCESSING DIVISION  
SAC ETAL  
AIR LEATHER SERVICE/AC

# DAILY AMOUNTS

PERCENTAGE FREQUENCY OF  
4000 01174  
(FROM DAILY OBSERVATIONS)

4221 TAI-CHUNG TAIWAN/CHUNG CHUAN KANG 09-71

STATION

STATION NAME

YEARS

AMOUNTS (INCHES)														PERCENT OF DAYS WITH MEASUR- ABLE AMTS	TOTAL NO. OF OBS.	MONTHLY AMOUNTS (INCHES)		
PRECIP	NONE	TRACE	01	02-05	06-10	11-25	26-50	51-100	101-250	251-500	501-1000	1001-2000	OVER 2000			MEAN	GREATEST	LEAST
SNOWFALL	NONE	TRACE	01-0.4	0.5-1.4	1.5-2.4	2.5-3.4	3.5-4.4	4.5-6.4	6.5-10.4	10.5-15.4	15.5-25.4	25.5-50.4	OVER 50.4					
SNOW DEPTH	NONE	TRACE	1	2	3	4-6	7-12	13-24	25-36	37-48	49-60	61-120	OVER 120					
JAN	100.0														62			
FEB	100.0														56			
MAR	100.0														62			
APR	100.0														60			
MAY	100.0														62			
JUN	100.0														60			
JUL	100.0														73			
AUG	100.0														93			
SEP	100.0														90			
OCT	100.0														93			
NOV	100.0														90			
DEC	100.0														62			
ANNUAL	100.0														883			

## EXTREME VALUES

FROM DAILY OBSERVATIONS

4221	TRIMMING TRAILER	CHICAGO	09-71
STATION	STATION NAME		

YEARS

DAILY AVERAGE DEPTH 14.1 CM'S

[illegible]

## EXTREME VALUES

FROM BARRY OBSERVATION.

42211 TAI-CHUNG TAIWAN/CHINA CHUAN XING 09-71  
STATION STATION NAME

4499

DAILY SAVVY DEPTS 111 CUES  
/EASIER TO LESS THAN FULL MONTH/

[illegible]

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE (MAC)  
ASHEVILLE, NORTH CAROLINA

## PART C

## SURFACE WINDS

Presented in this part are various tabulations of surface winds as follows:

1. Extreme Values - Peak Gusts: Derived from daily observations and presented by individual year and month for the entire period of record available. Speeds are presented in knots, while directions are given in 16 compass points from the beginning of record through 1963, and in tens of degrees starting in January 1964. When 90% or more of the daily observations of peak gust wind data are available for a month, the extreme is selected and printed. These values are then used to compute means and standard deviations for the entire period. Every month of a year must have valid observations present before the ALL MONTHS value is selected for that year. Means and standard deviations are computed when four or more values are present for any column. A supplementary list of Peak Gusts by year-month with < 90% observations reported is also provided.

NOTE: According to Circular N specifications, "peak gust data are recorded only at stations with continuous instantaneous wind-speed recorders."

2. Bivariate percentage frequency tabulations: Derived from hourly observations, these tabulations are a percentage frequency of wind directions to 16 compass points and calm by wind speeds (knots) in increments of Beaufort classifications. Percentages are shown by both direction and speed, and in addition the mean wind speed for each direction.

A separate category is provided on the form for variable winds, which are reported in some data sources. In these data where light and variable winds are reported with no directions but with speeds given, the speeds will be summarized in the appropriate groups opposite the column headed VARBL.

- a. Three tables are prepared for all surface winds included, and for all years combined as follows:

- (1) Annual - all hours combined
- (2) By month - all hours combined
- (3) By month - by standard 3-hour groups

- b. A separate annual table is also presented for surface winds meeting the following ceiling and visibility conditions: INSTRUMENT CLASS: Ceiling 200 through 1400 feet inclusive with visibility equal to or greater than 1/2 mile, and/or visibility 1/2 through 2-1/2 miles inclusive with ceiling equal to or greater than 200 feet.

## EXTREME VALUES

FROM DAILY TELEGRAPH.

4221	TAL-CHUNG TAIKANG/CHING CHUAN KANG	70-71
STATION	STATION NAME	

YFAPS

## DAILY PEAK GUESTS IN ROOMS

[illegible]



DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/AC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

42218 TAI-CHUNG TAIWAN/CHING CHUAN KANG 69-71

STATION NAME YEARS

ALL WEATHER

CLASS

CONDITION

ALL

MONTH

ALL

HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.5	4.5	7.0	3.6	.5	.2	.1	.0	.0	.0	.0	18.5	8.4
NNE	1.5	3.5	7.8	10.6	2.9	.9	.1	.1	.0			27.5	11.4
NE	.8	1.0	.7	.5	.1	.0						3.1	6.9
ENE	.6	.3	.1	.0		.0						1.0	3.8
E	.9	.3	.1	.0								1.3	3.1
ESE	.4	.1	.0	.0		.0						.5	3.3
SE	.6	.2	.1	.0								.9	3.1
SSE	1.4	1.1	.4	.1								3.0	4.2
S	2.7	4.9	3.6	.8	.1	.0	.0	.0				12.2	6.1
SSW	.6	.8	.7	.4	.0	.0						2.5	6.9
SW	.4	.4	.3	.3	.0	.0	.0					1.7	7.3
WSW	.2	.3	1.0	.6	.0	.0						2.4	8.4
W	.3	.8	1.5	.4	.0							3.3	7.2
WNW	.3	.6	.7	.1	.0	.0	.0					1.7	6.4
NW	.5	.4	1.1	.1	.0						.0	2.6	6.4
NNW	.7	1.3	2.0	.5	.0	.0	.0			.0	.0	4.5	7.2
VARBL	2.1	1.7	.7	.9	.3	.1						5.8	6.5
CALM												7.4	
	16.8	23.1	28.1	19.0	4.0	1.2	.2	.1	.0	.0	.0	100.0	7.6

TOTAL NUMBER OF OBSERVATIONS 26232

DATA PROCESSING DIVISION  
 ETAC/USAF  
 AIR WEATHER SERVICE/ETAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

42213 STATION TAI-CHUNG TAIWAN/CHING CHUAN KANG 67-71  
 STATION NAME YEARS  
 ALL WEATHER CLASS  
 CONDITION  
 NORTH  
 11.6  
 HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	4.4	7.7	5.9	.5	.1	.0					20.5	9.1
NNE	1.0	4.8	13.8	26.2	7.6	.9						54.3	12.3
NE	1.2	1.4	.7	.5								3.9	3.7
ENE	.3	.2	.1	.0								.6	4.7
E	.4	.2	.0									.7	3.5
ESE	.1	.2										.3	4.3
SE	.7	.3	.0									1.0	3.4
SSE	.2	.3	.0	.0								.6	4.6
S	1.3	1.4	.5	.2								3.5	5.3
SSW	.1	.0		.0								.2	3.0
SW	.2	.3	.2	.2								.4	7.2
WSW	.1	.0	.2	.1								.4	8.1
W	.4	.4	.4	.2								1.3	6.4
WNW	.3	.2	.2	.2								.9	6.3
NW	.4	.2	.8	.5								1.8	7.8
NNW	.5	.7	2.0	.7	.2							4.1	8.3
VARBL	.4	.2										.7	3.2
CALM												4.4	
	4.3	13.2	26.7	34.8	8.3	1.0	.0					100.0	9.9

TOTAL NUMBER OF OBSERVATIONS 2229

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

## SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

42213  
STATION

TAI-CHUNG TAIWAN/CHING CHUAN KANG  
STATION NAME

69-71  
YEARS

FFB

MONTH

ALL WEATHER

CLASS

ALL

HOURLS (LST)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.0	6.9	9.1	8.0	.7							27.4	8.6
NNE	2.0	3.6	10.5	20.8	6.2	1.5						44.8	12.3
NE	.7	.7	.5	.1	.0	.0						2.2	6.1
ENE	.9	.1	.1									1.2	3.1
E	.9	.3	.0									1.3	3.0
ESE	.2	.0		.0		.0						.3	6.6
SE	.5	.1		.0								.4	3.8
SSE	.9	.3	.0									1.5	3.3
S	.7	.6	.1									1.5	3.6
SSW	.2											.2	2.0
SW	.3	.0										.4	2.4
WSW	.1	.1	.0									.2	4.8
W	.3	.5	.3	.0								1.2	5.5
WNW	.3	.3	.6									1.2	5.6
NW	.5	1.1	.8	.4								2.9	6.5
NNW	.8	1.4	1.7	1.3	.1							5.4	8.0
VARBL	1.8	.9										2.2	3.0
CALM												5.5	
	13.7	17.3	24.0	30.8	7.1	1.6						100.0	9.0

TOTAL NUMBER OF OBSERVATIONS

2016

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

42213 STATION TAI-CHUNG TAIWAN/CHING CHUAN KANG 69-71 YEARS MONTH ALL  
STATION NAME CLASS ALL  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.1	4.5	8.6	0.0	1.5	.0						21.7	9.5
NNE	1.4	3.0	9.5	22.0	4.9	.6	.0					41.6	12.2
NE	.0	1.0	1.4	1.5	.2	.2						4.7	9.5
ENE	.0	.2	.1									.8	3.9
E	.5	.1	.0	.0								.7	3.6
ESE	.1	.0	.0									.2	4.8
SE	.3	.2	.1									.6	4.3
SSE	.5	.4	.3	.1								1.3	5.6
S	1.7	1.5	1.2	.4								4.8	5.4
SSW	.0	.2	.4	.2								1.3	5.6
SW	.1	.5	.4	.2								1.8	5.6
WSW	.1	.3	.3	.6	.2							1.7	10.4
W	.3	.5	.6	.2	.0							1.7	7.2
WNW	.2	.2	.5	.0								.9	6.6
NW	.0	.7	.9	.3	.0							2.5	6.7
NNW	.3	1.3	1.8	1.1	.2							4.7	8.8
VARBL	1.5	.7										2.2	2.8
CALM												6.8	
	10.0	15.3	26.3	32.8	7.1	.9	.0					100.0	9.2

TOTAL NUMBER OF OBSERVATIONS 2232

1  
2

DATA PROCESSING DIVISION  
AFAC/USAF  
AIR WEATHER SERVICE/AFAC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

42210 STATION TAI-CHUNG TAINA / CHING CHUAN KANG 42-71 YEARS  
STATION NAME CLASS ALL WEATHER MONTH ALL HOURS 01-31  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	3.3	4.5	8.0	2.4	.3							14.4	7.1
NNE	1.0	3.0	9.4	7.0	1.1	.2	.1	.3				24.4	10.2
NE	1.0	2.0	3.0	2.3	.2							9.1	7.8
ENE	.0	.5	.2									1.3	3.9
E	1.1	.0	.1	.0								1.2	3.4
ESE	.0		.1									.9	3.4
SE	.0	.1	.1									.2	2.7
SSE	1.1	.5	.2	.1								1.8	3.9
S	2.2	2.4	1.2	.4								6.2	5.0
SSW	.0	.4	.1	.1								1.3	4.4
SW	.3	.2	.2	.1								.9	6.3
WSW	.6	.3	.4	.2	.0							1.5	7.7
W	.0	.6	1.5	.4								3.2	7.1
WNW	.1	.6	1.2	.1								2.0	7.3
NW	.2	2.0	2.1	.2								4.5	6.9
NNW	.7	1.6	2.2	.6								5.2	7.1
VARBL	1.7	1.9										3.6	3.6
CALM												13.3	
	17.4	22.2	30.0	14.9	1.6	.2	.1	.3				100.0	6.5

TOTAL NUMBER OF OBSERVATIONS 2160

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

42218  
STATION

TAI-CHUNG TAIWAN/CHING CHUAN KANG  
STATION NAME

69-71  
YEARS

DAY

ALL WEATHER  
CLASS

ALL  
MONTH

CONDITION

HOURLS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	3.0	4.0	5.7	1.3								14.1	6.3
NNE	2.2	2.8	4.0	2.4	.4	.1						12.0	8.1
NE	1.2	1.3	1.1	1.0								4.6	6.9
ENE	.8	.2	.1									1.1	3.2
E	.7	.3										.9	2.9
ESE	.3	.1	.0									.4	3.3
SE	.3	.0	.0									.4	2.9
SSE	1.0	1.6	.5	.1								3.2	4.8
S	3.0	6.8	8.9	2.4								21.1	6.9
SSW	.8	2.0	2.0	1.1	.0							6.0	7.5
SW	.8	.9	1.2	.7	.0	.0						3.5	7.9
WSW	.3	.8	3.5	1.0								5.6	9.0
W	.3	1.1	3.0	1.3								6.0	8.3
WNW	.2	.8	.9	.2								2.1	6.7
NW	.4	.7	.9									2.1	5.8
NNW	.3	1.3	2.2	.2								4.4	6.8
VARBL	2.6	1.8										4.4	3.3
CALM												8.1	
	18.3	26.7	34.2	11.8	.5	.2						100.0	6.3

TOTAL NUMBER OF OBSERVATIONS

2231

DATA PROCESSING DIVISION  
 ETAC/USAF  
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
 DIRECTION AND SPEED  
 (FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 22218 STATION NAME TAI-CHING TAIWAN/CHING CHUAN KANG YEARS 69-71 MONTH JUL  
 CLASS ALL WEATHER  
 HOURS (L.S.T.) ALL  
 CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.5	2.8	4.7	.6								11.5	6.2
NNE	1.3	2.7	2.7	.8								7.5	5.4
NE	.6	1.6	.2									2.1	4.4
ENE	.7	.6	.1									1.4	3.6
E	1.4	.7	.2									2.3	3.5
ESE	.9	.5		.0								1.4	3.6
SE	.7	.2	.2									1.2	3.5
SSE	1.9	2.1	1.2	.1								5.4	4.8
S	4.1	10.6	8.4	.8								23.8	5.9
SSW	1.1	2.0	1.4	.5	.0							5.1	6.4
SW	.6	.7	1.5	.7	.1							3.5	7.9
WSW	.4	1.1	2.5	1.5	.0							5.5	8.5
W	.6	1.5	3.5	.8	.0							6.5	7.7
WNW	.4	1.3	1.2									2.9	6.1
NW	.3	.6	1.5									2.4	6.3
NNW	.5	1.6	2.3	.1								4.5	6.7
VARBL	2.4	2.3	.6	.2								5.5	4.4
CALM												7.4	
	20.6	33.6	32.1	6.2	.2							100.0	5.6

TOTAL NUMBER OF OBSERVATIONS 2160

DATA PROCESSING DIVISION  
 AFAC/USAF  
 AIR WEATHER SERVICE/AFAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 62218 STATION NAME TAI-CHUNG TAIWAN/CHING CHUAN KANG YEARS 69-71 MONTH ALL DAY ALL HOUR (L.S.T.)

CLASS ALL WEATHER

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.6	1.7	1.7	.4		.0						5.5	5.9
NNE	.5	.6	.7	.1	.0	.2		.0				2.2	4.4
NE	.1	.2	.3			.0						.7	7.3
ENE	.2	.3	.2									.7	4.8
E	.7	.5	.1									1.4	3.7
ESE	.9	.2										1.1	2.5
SE	.9	.3	.1	.0								1.3	3.3
SSE	2.0	2.6	.8									6.1	4.0
S	5.1	13.4	9.4	1.8	.5	.1	.1					30.4	6.4
SSW	.8	1.9	2.6	1.3	.2	.0						6.9	8.2
SW	.4	.9	1.1	1.3	.0							3.6	9.0
WSW	.6	1.5	3.0	3.0								8.0	9.0
W	.9	1.3	4.2	1.2								7.5	7.9
WNW	.7	.9	1.5	.1								3.2	6.0
NW	.7	1.4	1.8	.1								4.0	6.2
NNW	.4	1.1	1.9	.3								3.8	6.9
VARBL	2.7	2.0	1.4	.8	.4	.0						7.4	6.5
CALM												6.3	
	19.9	30.7	30.7	10.4	1.4	.4	.1	.0				100.0	6.3

TOTAL NUMBER OF OBSERVATIONS 2231



DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

42218 STATION TAI-CHUNG TAI-AN/CHING CHUAI KANG 69-71  
STATION NAME YEARS  
ALL WEATHER CLASS  
CONDITION  
AUG MONTH  
000 HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.7	2.8	3.5	.7								8.6	6.4
NNE	.7	.9	.7	.0								2.4	5.4
NE	.2	.4	.0									.6	4.2
ENE	.6	.3	.0									1.0	3.3
E	1.3	.4	.0									1.7	2.6
ESE	.5	.1	.0									.7	3.1
SE	1.3	.5	.1									1.9	3.2
SSE	3.0	2.4	1.1	.2								6.7	4.5
S	6.0	12.1	10.2	2.1	.2	.4						31.0	6.3
SSW	1.3	1.4	1.3	1.0	.1							5.1	7.0
SW	.7	1.0	1.1	.5	.0							3.4	6.9
WSW	.6	1.0	1.3	.3								3.3	6.5
W	1.3	2.3	3.2	.4								7.3	6.3
WNW	.6	1.4	1.4	.1								3.5	5.9
NW	.5	1.0	2.0	.1								3.6	6.4
NNW	.8	1.8	3.7	.4								6.7	6.9
VARBL	3.3	2.7	.5									6.5	3.8
CALM												6.0	
	24.6	32.7	30.2	3.8	.4	.4						100.0	5.5

TOTAL NUMBER OF OBSERVATIONS 2232

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

42214 TAI-CHUNG TAIWAN/CHING CHUAN KANG 69-71 SEP  
STATION STATION NAME YEARS  
ALL WEATHER  
CLASS  
CONDITION  
MONTH  
ALL  
HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.8	4.2	4.4	1.9	1.2	.6	.4	.3	.1	.0	.2	16.1	17.5
NNE	1.5	2.0	2.9	3.3	1.7	.1						11.4	15.4
NE	.6	.6	.3	.1	.1							1.7	6.0
ENE	1.3	.6	.1	.0								2.0	3.5
E	1.8	.4										2.2	2.4
ESE	.5	.1										.5	2.2
SE	1.5	.3		.0								1.8	2.6
SSE	3.1	2.1	.5	.2								5.4	3.8
S	4.7	7.4	3.2	1.4	.4	.0	.1	.1				17.4	6.7
SSW	.6	.6	.6	.1	.0	.0						2.2	6.6
SW	.4	.4	.5	.0	.0	.0	.0					1.4	6.9
WSW	.2	.5	.6	.1	.0	.0						1.6	7.7
W	.6	1.0	1.1	.4	.1							3.1	7.1
WNW	.4	.7	.6	.2	.3	.1	.1					2.4	9.2
NW	.8	1.5	2.0	.1							.0	4.3	6.4
NNW	1.1	2.3	3.2	.3		.0	.1			.0	.0	7.1	7.7
VARBL	3.3	1.9	.7	.8	.4	.0						7.3	6.0
CALM												11.3	
	25.2	26.8	20.6	9.2	4.3	1.1	.7	.4	.1	.1	.3	100.0	6.6

TOTAL NUMBER OF OBSERVATIONS 2160

1  
2DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/MACPERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

## SURFACE WINDS

42218 TAI-CHING TAIWAN/CHING CHUAN KANG 69-71  
STATION STATION NAME YEARS  
ALL FATHER  
CLASS  
CONDITION  
CT  
MONTH  
ALL  
HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	3.8	6.3	10.0	4.6	.6	1.1	.6	.1				27.7	9.1
NNE	2.1	6.2	13.5	14.2	2.9	1.6	.6	.3	.1			41.6	11.3
NE	.9	.8	.4	.1								2.2	4.9
ENE	.5	.4	.1									1.0	3.8
E	.5	.2	.1									.8	3.2
ESE	.4											.4	2.3
SE	.3											.3	1.7
SSE	1.0	.3										1.3	2.5
S	2.1	1.2	.2									3.4	3.2
SSW	.4	.1	.0									.6	3.1
SW	.1	.1	.0									.3	4.0
WSW	.0	.0	.0									.1	5.0
W	.3	.2	.1									.6	4.3
WNW	.4	.3	.1									.8	4.3
NW	.3	.5	.1									.9	4.1
NNW	.9	1.0	1.2	.1								3.9	5.6
VARBL	1.9	2.1	.8	1.1	.0							6.0	6.1
CALM												8.6	
	10.0	20.3	26.8	20.3	3.2	2.7	1.2	.4	.1			100.0	8.2

TOTAL NUMBER OF OBSERVATIONS 2232

2

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

## SURFACE WINDS

42218  
STATION

TAI-CHUNG TAIWAN/CHING CHUAN KANG  
STATION NAME

69-71  
YEARS

DIR  
MONTH

ALL WEATHER  
CLASS

ALL  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	3.7	5.2	10.6	5.1	.5	.1						25.3	8.1
NNE	2.5	6.6	14.6	13.7	6.9	1.8						48.1	11.3
NE	.6	.9	.5	.3	.1	.0						2.4	6.7
ENE	.3	.1	.0			.0						.5	5.4
E	.7	.1										.9	2.5
ESE	.3											.3	2.0
SE	.2	.1										.3	3.0
SSE	.0	.2										.8	2.4
S	.7	.8										1.5	3.7
SSW	.2											.2	2.0
SW	.1											.1	2.5
WSW	.1	.0										.2	2.3
W	.1	.3	.0									.8	4.1
WNW	.0	.3	.1									.4	5.3
NW	.3	.0	.3									1.2	5.2
NNW	.6	.4	.8	.1								1.9	5.9
VARBL	1.9	1.2	1.0	4.5	1.8	.6						11.1	11.6
CALM												4.4	
	13.3	16.8	27.9	23.7	9.2	2.6						100.0	9.3

TOTAL NUMBER OF OBSERVATIONS

2160

2

DATA PROCESSING DIVISION  
 AFAC/USAF  
 AIR WEATHER SERVICE/AFAC

PERCENTAGE FREQUENCY OF WIND  
 DIRECTION AND SPEED  
 (FROM HOURLY OBSERVATIONS)

## SURFACE WINDS

42218  
 STATION

TAI-CHUNG TAIWAN/CHING CHUAN KANG  
 STATION NAME

69-71  
 YEARS

150  
 MONTH

ALL WEATHER  
 CLASS

ALL  
 HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.3	6.2	10.5	6.9	.8	.1						24.9	8.7
NNE	1.0	5.7	11.4	15.0	3.7	3.6	.5					41.3	12.1
NE	.8	1.1	.5	.1	.2	.0						2.2	6.6
ENE	.4	.5	.0									.9	3.9
E	.6	.1	.1									.7	3.3
ESE	.1	.1	.0									.2	3.8
SE	.3											.3	1.9
SSE	.0	.2										1.0	2.7
S	.3	.4	.0									.9	3.5
SSW	.2	.2	.0									.4	4.0
SW	.0											.0	2.0
WSW	.1	.1										.2	3.3
W	.2	.1										.3	2.9
WNW	.1	.5										.6	4.3
NW	.4	.2	.1									1.0	3.9
NNW	1.0	1.1	.7	.2								2.9	5.3
VARBL	2.4	2.5	2.2	3.6	.4							12.0	8.4
CALM												7.4	
	11.9	19.0	26.6	25.8	5.1	4.7	.5					100.0	8.9

TOTAL NUMBER OF OBSERVATIONS

2109

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/AC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

42218      TAI-CHUNG TAIWAN/CHING CHUAN KANG      69-71      JAN  
STATION      STATION NAME      YEARS      MONTH  
ALL WEATHER      0000-0200  
CLASS      HOURS (L.S.T.)  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.8	3.6	8.0	2.2	.7	.4						16.7	8.4
NNE	.7	4.7	14.1	24.3	6.2							50.6	11.9
NE	2.2	2.2	.7									4.1	4.8
ENE	1.1											1.1	2.3
E	.7											.7	2.5
ESE													
SE	1.8	.7	.4									2.8	3.3
SSE	.7	.7										1.4	3.0
S	3.6	2.2	1.1									6.9	4.4
SSW	.4											.4	1.0
SW		.4										.4	4.0
WSW	.4											.4	3.0
W	.4	.7										1.1	3.7
WNW	1.1											1.1	2.7
NW	.4											.4	3.0
NNW	1.4	.4	.7									2.5	4.6
VARBL													
CALM												9.1	
	16.7	15.6	25.0	26.4	6.9	.4						100.0	8.2

TOTAL NUMBER OF OBSERVATIONS 276

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/ETAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

42218 TAI-CHUNG TAIWAN/CHING CHUAN KANG 69-71  
STATION STATION NAME YEARS  
ALL WEATHER  
CLASS  
CONDITION  
JAN  
MONTH  
0300-0500  
HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.6	5.0	4.3	3.2								14.3	8.1
NNE	1.6	7.2	14.7	29.4	4.3							57.0	11.3
NE	2.9	1.8	1.1									5.7	4.1
ENE	.4											.4	2.0
E	.7											.7	3.0
ESE													
SE	1.6	.4										2.2	3.2
SSE													
S	2.2	2.9	.4	.4								5.7	4.7
SSW	.4			.4								.7	7.3
SW	.4	.7										1.1	4.0
WSW			.4									.4	10.0
W	.4	.4	.4									1.1	4.7
WNW	.7											.7	2.5
NW	1.6	.4										1.4	3.0
NNW	.7	1.1										1.8	3.0
VARBL	.4											.4	3.0
CALM												6.3	
	15.1	19.7	21.1	33.2	4.3							100.0	8.5

TOTAL NUMBER OF OBSERVATIONS 279

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/JAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

42214  
STATION

TAI-CHUNG TAIWAN/CHING CHUAN KANG  
STATION NAME

69-71  
YEARS

ALL WEATHER  
CLASS

CONDITION

JAN  
MONTH  
0600-0800  
HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.9	3.9	7.2	2.5								14.5	7.6
NNE	2.2	3.7	14.7	26.9	7.5	1.1						58.1	11.8
NE	1.4	1.8	.7	.4								4.3	5.1
ENE		.4	.4									.7	6.1
E	.7	.4										1.1	3.3
ESE	.4											.4	2.0
SE	1.1	.4										1.4	3.0
SSE		.4										.4	5.0
S	1.0	2.5	.4									4.7	4.3
SSW													
SW		.4	.4									.7	6.0
WSW	.4		.4									.7	3.0
W	.7	.4	.4									1.4	4.3
WNW													
NW	1.1	.4		.4								1.4	3.2
NNW	.7	.7	.7									2.2	3.0
VARBL		.4										.4	4.0
CALM												3.4	
	13.4	17.6	25.1	30.1	7.5	1.1						100.0	9.0

TOTAL NUMBER OF OBSERVATIONS 279



DATA PROCESSING DIVISION  
 AFAC/USAF  
 AIR WEATHER SERVICE/MAC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
 DIRECTION AND SPEED  
 (FROM HOURLY OBSERVATIONS)

42214  
 STATION

TAI-CHUNG TAIWAN/CHING CHUAN KANG  
 STATION NAME

59-71  
 YEARS

JAN  
 MONTH

ALL WEATHER  
 CLASS

0900-1100  
 HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.4	2.5	5.7	5.0	.7	.4						15.4	2.7
NNE	.7	4.7	14.0	26.3	10.4	1.4						58.1	12.8
NE	.7	2.5	1.1	.4								4.7	5.8
ENE		.4		.4								.7	10.0
E	1.1											1.1	2.7
ESE		1.4										1.4	5.3
SE	.4	.4										.7	4.5
SSE	.4		.4									.7	5.0
S	.7	1.1	1.4									3.2	6.8
SSW													
SW		.4										.4	4.0
WSW													
W	.4	.4										.7	4.0
WNW	.4	.7	.7									1.8	5.2
NW	.4	.7	1.4	.4								2.9	7.3
NNW	.4	.7	2.2	.4								3.6	7.6
VARBL	1.8	.4										2.2	2.5
CALM												2.2	
	8.9	19.1	29.9	33.0	11.2	1.8						100.0	10.4

TOTAL NUMBER OF OBSERVATIONS 279

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

4221<sup>0</sup> STATION TAI-CHUNG TAIWAN/CHING CHUAN KANG 69-71 YEARS JAN MONTH 1200-1400 HOURS (L.S.T.)

ALL WEATHER CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.4	2.2	10.0	9.7	.7							22.9	17.5
NNE		1.4	8.2	25.1	9.3	2.5						46.6	14.2
NE	.4	.4	.7	1.8								3.2	3.7
ENE			.4									.4	4.0
E		.7										.7	4.5
ESE													
SE		.4										.4	4.0
SSE		.4										.4	4.0
S	.4	.4	.7	1.1								2.5	9.9
SSW													
SW	.4		.7	.4								1.4	9.5
WSW			.4	.7								1.1	10.7
W		.4	.4									.7	8.0
WNW				1.1								1.1	12.3
NW	.7		1.4	1.8								3.9	9.4
NNW	.4	1.1	7.5	2.2	1.1							12.2	10.1
VARBL	1.4	1.1										2.5	3.7
CALM												.7	
	3.4	8.2	30.5	43.7	11.1	2.5						100.0	11.8

TOTAL NUMBER OF OBSERVATIONS 279

DATA PROCESSING DIVISION  
AFAL/USAF  
AIR WEATHER SERVICE/AG

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

42219 STATION TAI-CHUNG TAIWAN/CHUNG CHUAN KANG 62-71  
STATION NAME YEARS  
CLASS ALL WEATHER  
CONDITION  
MONTH JAN  
HOURS 1500-1700

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		2.9	10.0	15.0	2.2							30.8	11.4
NNE	.4	1.4	9.3	20.0	9.0	1.8						50.9	13.8
NE			.4	.7								1.1	12.0
ENE													
E													
ESE													
SE													
SSE													
S				.4								.4	12.0
SSW													
SW				1.1								1.1	13.0
WSW													
W	.4		1.0	1.1								3.2	9.7
WNW		.4	.7	.4								1.4	10.3
NW			3.2	1.4								4.7	9.9
NNW			3.6	2.9								6.5	10.8
VARBL													
CALM												.0	
	.7	4.7	29.0	52.7	11.1	1.8						100.0	12.4

TOTAL NUMBER OF OBSERVATIONS 279

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/TAG

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

42218  
STATION

TAI-CHUNG TAIWAN/CHING CHUAN KANG  
STATION NAME

69-71  
YEARS

JAN  
MONTH

1800-2000  
HOURS (L.S.T.)

ALL WEATHER  
CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.5	6.5	9.7	6.5								24.1	8.2
NNE	1.4	3.9	17.9	27.2	8.4							58.8	11.9
NE	.4	1.4	.4	.7								2.9	7.5
ENE													
E			.4									.4	3.0
ESE													
SE													
SSE	.4											.4	3.0
S	.7	.7										1.4	3.5
SSW													
SW	.4		.7									1.1	6.3
WSW		.4		.4								.7	9.0
W	.7		.4	.4								1.4	8.3
WNW	.4											.4	3.0
NW		.4										.4	6.0
NNW		1.1	1.1									2.2	6.8
VARBL													
CALM												5.0	
	6.8	14.3	30.5	35.1	8.2							100.0	9.7

TOTAL NUMBER OF OBSERVATIONS 279

DATA PROCESSING DIVISION  
 FTAC/USAF  
 AIR WEATHER SERVICE/14C

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
 DIRECTION AND SPEED  
 (FROM HOURLY OBSERVATIONS)

4221R STATION TAI-CHUNG TAI-WAN/CHING CHUAN KANG 69-71 YEARS MONTH JAN 2100-2300 HOURS (L.S.T.)

ALL WEATHER CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.6	8.6	6.8	2.2		.4	.4					21.9	7.3
NNE	1.4	9.0	17.6	21.1	5.7							34.8	10.9
NE	1.8	1.4	.7									3.9	4.6
ENE	.7	.7										1.4	3.0
E	.4	.4										.7	3.0
ESE	.4											.4	3.0
SE	.4	.4										.7	3.5
SSE	.4	.7		.4								1.4	6.3
S	1.1	1.4	.4									2.9	4.9
SSW		.4										.4	4.0
SW	.4	.4										.7	4.0
WSW			.4									.4	8.0
W		1.1										1.1	4.3
WNW		.4										.4	4.0
NW													
NNW	.7	.4		.4	.4							1.8	8.4
VARBL													
CALM												7.2	
	11.1	25.1	25.8	24.0	6.1	.4	.4					100.0	8.4

TOTAL NUMBER OF OBSERVATIONS 279

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

42218 STATION TAI-CHUNG TAIWAN/CHING CHUAN KANG 69-71 YEARS  
FF6 MONTH 0000-0200 HOURS (L.S.T.)

ALL WEATHER

CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.6	9.5	6.7	5.6	.4							23.8	8.1
NNE	2.0	7.5	9.1	21.4	3.6	1.2						44.8	11.3
NE	.8	1.2	.4									2.4	4.2
ENE	2.0	.4										2.4	2.5
E	2.0	.4										2.4	2.3
ESE						.4						.4	22.0
SE													
SSE	1.0	.8										2.4	3.2
S	2.0	1.2										3.2	2.9
SSW	.8											.8	2.0
SW	.8											.8	2.0
WSW		.4										.4	6.0
W													
WNW	.4											.4	2.0
NW	.4			.4								.8	9.0
NNW	.8	1.2	.8									2.8	5.0
VARBL	1.2											1.2	2.0
CALM												11.1	
	16.8	22.0	17.1	27.4	4.0	1.6						100.0	7.8

TOTAL NUMBER OF OBSERVATIONS 252

2

DATA PROCESSING DIVISION  
 FTAC/USAF  
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
 DIRECTION AND SPEED  
 (FROM HOURLY OBSERVATIONS)

SURFACE WINDS

42218  
 STATION

TAI-CHUNG TAIWAN/CHING CHUAN KANG  
 STATION NAME

69-71  
 YEARS

FEB  
 MONTH

ALL WEATHER  
 CLASS

0300-0900  
 HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	3.6	5.2	6.0	2.6	.4							17.9	7.0
NNE	4.0	6.0	10.7	22.2	6.3	2.0						51.2	11.8
NE	2.8	.8		.4	.4							4.4	3.3
ENE	.4											.4	3.0
E	1.2	.4										1.6	3.0
ESE													
SE	.8	.4										1.2	2.7
SSE	2.8	.8										3.6	2.6
S	.8											.8	1.5
SSW													
SW	.8	.4										1.2	3.0
WSW	.8											.8	2.0
W	1.0	.4										2.0	2.8
WNW	1.2											1.2	1.7
NW	1.2											1.2	1.7
NNW	1.6		.8									2.4	4.5
VARBL	1.2	.8										2.0	2.8
CALM												8.3	
	24.0	15.1	17.5	23.4	7.1	2.0						100.0	8.1

TOTAL NUMBER OF OBSERVATIONS

252

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/AC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

42212 STATION TAI-CHUNG TAIWAN/CHING CHUAN KANG 69-71 YEARS MONTH 0600-0800  
STATION NAME CLASS ALL WEATHER HOURS (L.S.T.)  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	4.8	8.3	4.8	2.8	.4							21.0	6.5
NNE	3.6	2.0	14.3	21.8	7.5	1.2						50.4	12.0
NE		1.2	1.2									2.4	7.2
ENE	2.0											2.0	2.2
E	.8	.4										1.2	3.3
ESE	.4											.4	3.0
SE	2.0											2.0	2.6
SSE	2.0	.8	.4									3.2	3.8
S	1.2											1.2	2.7
SSW													
SW													
WSW													
W	.8	.4										1.2	2.7
WNW	.8											.8	2.5
NW	.4	.8										1.2	3.3
NNW	1.2	1.2		.4								2.8	4.3
VARBL	.8	.4										1.2	3.0
CALM												9.1	
	20.6	15.5	20.6	25.0	7.9	1.2						100.0	8.2

TOTAL NUMBER OF OBSERVATIONS 252



DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

4221<sup>0</sup> STATION TAI-CHUNG TAIWAN/CHING CHUAN KANG 69-71 YEARS  
STATION NAME CLASS ALL WEATHER  
CONDITION  
HOURS 0900-1100 (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		7.1	6.3	2.0	.4							16.7	7.8
NNE	1.0	2.0	13.5	23.0	8.3	1.2						49.4	12.5
NE	.8	.4	.4	.8								2.4	7.8
ENE	.4	.4	.4									1.2	4.7
E	.4	.4										.8	3.0
ESE	.4											.4	3.0
SE	1.2											1.2	3.0
SSE		.4										.6	3.0
S	.4	2.0	1.2									3.6	5.4
SSW													
SW													
WSW													
W		.8										.8	3.5
WNW		1.2	.8									2.0	6.4
NW	.8	2.0	1.2	.8								4.8	6.2
NNW	.8	2.4	2.4	1.2								6.7	7.4
VARBL	3.6	2.8										6.3	3.1
CALM												3.2	
	10.2	21.8	26.2	28.6	8.7	1.2						100.0	9.2

TOTAL NUMBER OF OBSERVATIONS 252

DATA PROCESSING DIVISION  
 AFAC/USAF  
 AIR WEATHER SERVICE/AFAC

PERCENTAGE FREQUENCY OF WIND  
 DIRECTION AND SPEED  
 (FROM HOURLY OBSERVATIONS)

SURFACE WINDS

42214 STATION TAI-CHUNG TAIWAN/CHUNG CHUAN KANG 69-71 YEARS FEB NORTH 1200-1400 HOURS (LST)

CLASS ALL WEATHER

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.4	5.2	13.5	17.1	.4							36.5	10.2
NNE	.4	.8	4.4	18.3	8.3	.8						32.5	14.3
NE	.4	.8	.8									2.0	5.6
ENE													
E													
ESE				.4								.4	12.0
SE													
SSE													
S													
SSW													
SW	.8											.8	2.0
WSW		.4										.4	5.0
W		.8	1.6	.4								2.8	8.0
WNW		.8	2.4									3.2	7.0
NW	.4	1.2	3.6	2.0								7.1	9.2
NNW		2.0	4.4	4.4								10.7	9.6
VARBL	1.2	1.6										2.8	3.6
CALM												.4	
	3.6	13.2	30.6	42.5	8.7	.8						100.0	10.8

TOTAL NUMBER OF OBSERVATIONS 252

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/HAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

42210  
STATION

TAI-CHUNG TAIWAN/CHIUNG CHUAN KANG  
STATION NAME

69-71  
YEARS

FEB  
MONTH

ALL WEATHER  
CLASS

1500-1700  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.6	4.0	10.3	21.8	2.0							45.6	13.7
NNE		.4	6.3	16.3	5.6	2.4						31.0	14.1
NE													
ENE			.4									.4	8.0
E			.4									.4	10.0
ESE													
SE				.4								.4	14.0
SSE													
S													
SSW													
SW													
WSW			.4									.4	9.0
W		.8	.8									1.6	7.3
WNW		.4	1.6									2.0	7.8
NW	.8	4.0	2.0									6.7	5.8
NNW	.8	1.6	4.0	3.2	1.2							10.7	10.2
VARBL		.8										.8	5.0
CALM												.0	
	3.2	11.9	32.1	41.7	8.7	2.4						100.0	11.2

TOTAL NUMBER OF OBSERVATIONS 292

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/1AC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

42218  
STATION

TAI-CHUNG TAIWAN/CHING CHUAN KANG  
STATION NAME

69-71  
YEARS

PER  
MONTH

ALL WEATHER  
CLASS

1800-2000  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	6.0	7.9	10.7	7.1	1.6							33.3	8.0
NNE	3.2	4.4	11.9	21.8	0.3	2.0						49.6	11.9
NE	.8	.4	.4			.4						2.0	7.6
ENE	.4		.4									.3	4.5
E	1.2											1.2	2.0
ESE													
SE		.4										.4	3.0
SSE													
S	.4											.8	2.5
SSW													
SW													
WSW													
W													
WNW	.4											.4	2.0
NW	.4	.8										1.2	3.7
NNW	1.2	2.0	1.2	.8								3.2	6.0
VARBL	.8											.8	2.0
CALM												4.4	
	12.1	13.9	24.0	29.8	7.9	4.4						100.0	9.2

TOTAL NUMBER OF OBSERVATIONS 252

DATA PROCESSING DIVISION  
 TAC/USAF  
 AIR WEATHER SERVICE/MAC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
 DIRECTION AND SPEED  
 (FROM HOURLY OBSERVATIONS)

42214 STATION TAI-CHING TAIWAN/CHING CHUAN KANG 69-71 YEARS FEB MONTH 7100-2300 HOURS (L S T.)  
 ALL WEATHER CLASS  
 CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	3.2	7.4	8.7	4.0	.4							24.7	7.6
NNE	1.0	5.6	13.9	21.4	3.6	1.2						47.7	11.3
NE	.4	.8	.8									2.0	6.0
ENE	2.4											2.4	2.3
E	2.0	.8										2.8	3.0
ESE	.0	.4										1.2	2.0
SE		.4										.4	4.0
SSE	1.2	1.2										2.4	3.3
S	.8	1.6										2.4	3.3
SSW	.8											.8	2.0
SW	.4											.4	2.0
WSW													
W	.4	.8										1.2	3.0
WNW													
NW		.4										.4	4.0
NNW	.4	1.2		.4								2.0	6.2
VARBL	2.0	.8										2.8	2.7
CALM												7.5	
	16.3	21.8	23.4	23.8	4.0	1.2						100.0	8.0

TOTAL NUMBER OF OBSERVATIONS 252

DATA PROCESSING DIVISION  
 AFAC/USAF  
 AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

42210  
 STATION

TAI-CHENG TAIWAN/CHING CHUAN KANG  
 STATION NAME

59-71  
 YEARS

AR  
 MONTH

ALL WEATHER  
 CLASS

0000-0200  
 HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.8	5.0	5.7	4.3	2.2							19.0	8.9
NNE	2.9	5.4	12.2	19.4	3.6							43.4	10.9
NE	1.4	1.8	1.4	2.2	.4							7.2	8.3
ENE	.4	.4										.7	3.0
E	.7											.7	2.0
ESE			.4									.4	10.0
SE	.7											.7	1.5
SSE	1.1											1.1	2.3
S	3.2	1.8	2.5									7.5	4.5
SSW	1.8	.7		.4								2.9	4.5
SW	.7	.4										1.1	2.7
WSW	.4	.4										.7	3.0
W	1.1	.7										1.8	3.6
WNW	.7											.7	2.5
NW	1.1	.7										1.8	2.8
NNW	.7	.4		.4								1.4	6.0
VARBL	.7											.7	2.5
CALM												8.2	
	19.4	17.6	22.2	26.5	0.1							100.0	7.9

TOTAL NUMBER OF OBSERVATIONS

279

DATA PROCESSING DIVISION  
 AFAC/USAF  
 AIR WEATHER SERVICE/AFAC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
 DIRECTION AND SPEED  
 (FROM HOURLY OBSERVATIONS)

4221R  
 STATION

TAI-CHUNG TAI-AN/CHUNG CHUAN KANG  
 STATION NAME

69-71  
 YEARS

12  
 MONTH

ALL WEATHER  
 CLASS

0300-0500  
 HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	2.4	6.5	2.4	.7							18.6	9.0
NNE	2.5	4.2	10.8	24.4	3.0							45.5	11.3
NE	.4	.7	1.8	2.2								5.0	10.0
ENE	1.4											1.4	7.0
E	.4	.4										.7	3.0
ESE													
SE	.4											.4	2.0
SSE	.7	.7	.4									1.8	3.4
S	1.0	1.8	.4	.4								4.3	4.9
SSW	1.1	.4	.4									1.8	3.6
SW	1.1	.7										1.8	3.6
WSW	.4			.7								1.1	10.3
W		.4										.4	6.0
WNW													
NW	.4	.4										.7	3.0
NNW	.4	.7	1.1	.7								2.9	7.9
VARBL													
CALM												13.6	
	11.2	19.8	21.1	32.7	4.3							100.0	4.2

TOTAL NUMBER OF OBSERVATIONS 279

DATA PROCESSING DIVISION  
TAC/USAF  
JTF WEATHER SERVICE/TAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 2214 TAIWANG TAIWAN/CHING CHUAN KANG 69-71 YEARS 69  
STATION NAME ALL WEATHER MONTH 1600-0100  
CLASS ALL WEATHER HOURS 1600-0100  
CONDITION ALL WEATHER

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.8	3.4	5.4	6.1	.7							19.4	4.7
NNE	1.4	3.6	12.9	21.1	1.0	.7						41.4	11.4
NE	.4	1.8	3.2	1.4	.4							7.2	7.7
ENE	1.1	.4	.4									1.4	4.2
E	1.1	.4										1.4	2.5
ESE	.4											.4	3.0
SE	1.1	.7										1.4	3.2
SSE	.7	.7	.7									2.7	5.5
S	3.2	2.2	.4	.7								6.5	4.9
SSW	.7	.4										1.1	3.0
SW		1.4	.4									1.4	5.4
WSW	.4	.4										.7	4.3
W		.4										.4	4.0
WNW													
NW		.4	.4									.7	6.4
NNW		1.1	.7		.4							2.2	4.5
VARBL	1.1	.4										1.4	2.5
CALM												9.7	
	13.2	19.4	24.4	29.4	3.2	.7						100.0	8.1

TOTAL NUMBER OF OBSERVATIONS 279



DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/AC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 32215 TAI-CHUNG TAIWAN/CHING CHUAN KANG 69-71 YEAR 1970-1971  
STATION NAME CLASS ALL WEATHER MONTH 0900-1100  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		2.5	9.0	3.0	.7							15.2	9.6
NNE	.7	3.2	5.7	22.9	0.1	.4						32.1	12.7
NE	.7	2.2	1.4	1.1								5.4	7.5
ENE		.4	.4									.7	7.5
E	.4	.4	.4									1.1	5.0
ESE	.4	.4										.7	5.0
SE		.7	.4									1.1	6.3
SSE	.4	1.4	.4	.4								2.5	5.9
S	1.4	4.3	2.9	1.4								10.0	6.7
SSW	.4	.4	.4	.4								1.4	6.3
SW				.4								.4	13.0
WSW		.7	.4	.4								1.4	8.3
W	.4	1.1	.7		.4							2.5	7.5
WNW	.4	.4	.7									1.4	5.5
NW	.7	1.4			.4							2.5	6.0
NNW	.4	1.1	2.5	1.1								5.0	8.6
VARBL	5.0	2.5										7.5	2.7
CALM												1.4	
	11.1	22.4	23.1	31.5	7.2	.4						100.0	9.2

TOTAL NUMBER OF OBSERVATIONS 279

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/AC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

42210 TAI-CHING TAIWAN/CHING CHUAN KANG 59-71  
STATION STATION NAME YEARS  
ALL WEATHER  
CLASS  
CONDITION  
1200-1400  
MONTH  
HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		1.0	11.5	10.4	1.4							24.1	11.0
NNE	.4	1.4	4.3	20.1	0.5	1.4						34.1	13.9
NE			1.4			.7						2.2	14.0
ENE			.4									.4	8.0
E	.7			.4								1.1	5.3
ESE													
SE			.4									.4	7.0
SSE		.4	.7									1.1	7.3
S	.4		.4	.7								1.4	9.3
SSW			1.4									1.4	9.0
SW	.4	.4	.4	.7								1.4	8.8
WSW		.7	2.5	2.2	.4							5.7	10.7
W		1.1	1.8	1.1								3.9	8.5
WNW		.4	1.8									2.2	7.2
NW	.7	1.4	3.2	1.1								6.5	7.4
NNW		1.1	5.0	2.5	.7							9.3	10.0
VARBL	1.0	1.4										3.2	3.6
CALM												.4	
	4.3	10.0	35.1	39.1	4.0	2.2						100.0	11.1

TOTAL NUMBER OF OBSERVATIONS 279

DATA PROCESSING DIVISION  
 PAC/USAF  
 AIR WEATHER SERVICE/PAC

PERCENTAGE FREQUENCY OF WIND  
 DIRECTION AND SPEED  
 (FROM HOURLY OBSERVATIONS)

SURFACE WINDS

42218  
 STATION

TAI-CHUNG TAI-KAN/CHING CHUAN KANG  
 STATION NAME

69-71  
 YEARS

AR  
 MONTH

ALL WEATHER  
 CLASS

1500-1700  
 HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		3.0	13.0	7.2	2.9	.4						27.6	10.7
NNE			3.0	24.0	9.3	1.0	.4					39.1	14.9
NE		.4		1.4		.4						2.2	13.7
ENE		.4										.4	4.0
E													
ESE													
SE			.4									.4	9.0
SSE	.4	.4										.7	4.0
S	.4	.7										1.1	4.3
SSW				.4								.4	12.0
SW		.4	.7	.4								1.4	9.0
WSW			.4	1.1	1.1							2.5	14.7
W			2.2	.7								2.9	10.3
WNW		.7	1.4	.4								2.5	8.3
NW	.7	.7	2.9	1.1								5.4	8.4
NNW		2.2	3.2	3.0	.4							9.3	9.8
VARBL	1.0	.7										2.5	2.9
CALM												1.0	
	2.2	10.0	28.3	40.1	13.0	2.5	.4					100.0	11.6

TOTAL NUMBER OF OBSERVATIONS

279

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/TAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 42212 STATION NAME TAI-CHUNG TAIWAN/CHING CHUAN KANG YEARS 69-71 MONTH JAN  
CLASS ALL WEATHER MONTH 1000-2000  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.2	5.0	9.7	7.5	1.1							25.4	9.6
NNE	1.4	2.2	11.1	24.0	5.7	.7						45.2	12.3
NE	.7	.4	.4	2.2	.7	.4						4.7	11.8
ENE													
E	.4											.4	2.0
ESE													
SE													
SSE	.4			.4								.7	7.5
S	1.4	.4	.7									2.5	3.9
SSW	.4		.4	.4								1.1	7.7
SW	1.1	.7	1.1	.4								3.2	5.9
WSW			.7	.4								1.1	11.0
W		.4										.4	3.0
WNW	.4											.4	3.0
NW	.7	.4	1.1									2.2	6.0
NNW	.7	2.5	1.1	.4								4.7	6.4
VARBL	.7	.4										1.1	3.0
CALM												7.2	
	10.4	12.2	26.2	35.5	7.5	1.1						100.0	9.4

TOTAL NUMBER OF OBSERVATIONS 279

DATA PROCESSING DIVISION  
 ETAC/USAF  
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
 DIRECTION AND SPEED  
 (FROM HOURLY OBSERVATIONS)

SURFACE WINDS

42218 TAI-CHUNG TAIWAN/CHING CHUAN KANG 69-71  
 STATION NAME YEARS  
 CLASS ALL WEATHER  
 MONTH JAN  
 HOURS (L.S.T.) 2100-2300  
 CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.2	7.2	7.2	3.9	2.2							22.5	8.7
NNE	1.0	4.3	15.4	20.4	2.9							44.8	10.9
NE	1.4	.7	1.4	1.4	.4							5.4	6.6
ENE	.7											.7	2.0
E	.4											.4	2.0
ESE													
SE													
SSE	.4			.4								.7	7.5
S	2.2	.7	2.2									5.0	5.3
SSW	.4		.4									.7	4.5
SW	2.2	.4	.4									2.9	3.1
WSW													
W	.7	.4										1.1	2.7
WNW													
NW	.4											.4	2.0
NNW		1.1	1.1	.4								2.9	7.7
VARBL	1.1											1.1	1.3
CALM												11.8	
	13.0	14.7	28.0	26.5	5.4							100.0	8.0

TOTAL NUMBER OF OBSERVATIONS 279

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

42215 STATION TAI-CHUNG TAIWAN/CHING CHUAN KANG 68-71 YEARS  
STATION NAME CLASS ALL WEATHER  
CONDITION  
MONTH 0000-0200  
HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	0.1	3.0	3.7	.4								15.2	4.7
NNE	3.3	4.1	4.0	3.0				1.1				21.1	8.7
NE	4.4	1.9	3.3	2.2								11.9	6.3
ENE	1.1	.7										1.9	2.8
E	.7											.7	2.3
ESE	1.3											1.5	2.0
SE	1.3	.4	.4									2.2	3.3
SSE	2.0											2.4	2.1
S	3.2	4.1	1.5	1.1								11.9	4.5
SSW	.7	.4										1.1	3.0
SW	.7											.7	2.5
WSW													
W	.7											.7	2.0
WNW			.4									.4	7.0
NW	.4	.4	.4									1.1	4.7
NNW	.7	.4	.7	.4								2.2	7.0
VARBL	.7	.4										1.1	3.7
CALM												23.7	
	32.0	12.0	20.0	7.0				1.1				100.0	4.4

TOTAL NUMBER OF OBSERVATIONS 270

DATA PROCESSING DIVISION  
 AFAC/USAF  
 AIR WEATHER SERVICE/AFAC

PERCENTAGE FREQUENCY OF WIND  
 DIRECTION AND SPEED  
 (FROM HOURLY OBSERVATIONS)

SURFACE WINDS

4221- TAI-CHING TAI-AN/CHING CHUAN KANG 69-71  
 STATION STATION NAME YEARS  
 CLASS ALL WEATHER  
 MONTH APR  
 0300-0500  
 HOURS (L.S.T.)  
 CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	3.0	5.2	3.0	1.1								12.7	6.2
NNE	.4	6.3	4.3	6.7			.4	.7				23.7	9.8
NE	1.9	1.9	2.6	2.2								8.5	7.7
ENE	1.1	.4	.4									1.9	3.8
E	2.2	.7		.4								3.3	4.1
ESE	.7											.7	2.5
SE	.7	.7										1.5	3.5
SSE	1.9	.7										2.6	2.9
S	4.4	2.2	.7	.4								8.1	3.6
SSW	2.2	.7										3.0	2.8
SW	.4											.4	1.0
WSW	1.1											1.1	2.0
W	3.3	.4										3.7	2.3
WNW													
NW	.7		.4									1.1	4.0
NNW	.7	.4	.4									1.5	4.3
VARBL	1.5											1.5	2.0
CALM												25.2	
	26.7	19.6	16.7	10.7			.4	.7				100.0	4.7

TOTAL NUMBER OF OBSERVATIONS 270

DATA PROCESSING DIVISION  
 FTAC/USAF  
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
 DIRECTION AND SPEED  
 (FROM HOURLY OBSERVATIONS)

SURFACE WINDS

4221R STATION TAI-CHUNG TAIWAN/CHING CHUAN KANG 69-71 YEARS  
 ALL WEATHER CLASS  
 CONDITION  
 MONTH 0600-0800 HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.0	3.3	4.4	1.5								11.0	6.8
NNE	2.2	2.0	12.2	6.3	.7	.4	.7					23.2	9.9
NE	1.1	3.7	5.9	2.2								13.0	7.5
ENE	.7	1.1	1.1									3.0	5.4
E	2.2	1.9	.4									4.4	3.7
ESE	1.9											1.9	2.4
SE	1.1											1.1	2.0
SSE	1.9	1.1										3.0	3.1
S	3.7	2.2	1.1									7.0	4.1
SSW	.7	1.1										1.9	4.0
SW													
WSW	.4											.4	1.0
W		.4										.4	4.0
WNW			.4									.4	7.0
NW		.4	.7									1.1	7.7
NNW	.7	.7	.4									1.9	5.0
VARBL	1.9	.4										2.2	2.9
CALM												21.9	
	21.1	14.7	26.7	10.0	.7	.4	.7					100.0	5.4

TOTAL NUMBER OF OBSERVATIONS 270



DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/4AC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

42211	TAI-CHUNG TAIWAN/CHING CHUAN KANG	69-71	APR
STATION	STATION NAME	YEARS	MONTH
ALL WEATHER			0900-1100
CLASS			HOURS (L.S.T.)
CONDITION			

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.4	4.4	7.0	1.1	.4							13.3	7.9
NNE		4.1	10.0	7.8	1.5							23.3	10.2
NE	.4	1.5	3.3	3.7	1.1							10.0	10.3
ENE	.4											.4	2.0
E	1.9	.7										2.6	2.7
ESE	.4		.4									.7	6.0
SE													
SSE		.4										.4	4.0
S	1.4	2.2	1.9	.4								6.3	6.4
SSW	.7	.7	.4	.4								2.2	5.8
SW	.4	1.1										1.5	4.8
WSW		.7	.4									1.1	6.0
W	.7	1.3	2.2	.7								5.2	6.9
WNW	.7	1.9	1.5	.7								4.8	6.5
NW		2.6	3.7									6.3	6.8
NNW	.7	3.3	3.0									7.0	6.2
VARBL	3.0	6.3										11.9	3.5
CALM												3.0	
	14.1	21.5	33.7	14.8	3.0							100.0	7.2

TOTAL NUMBER OF OBSERVATIONS 270

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 42218 STATION NAME TAI-CHUNG TAIWAN/CHING CHUAN KANG YEARS 69-71 MONTH APR  
CLASS ALL WEATHER HOURS (L.S.T.) 1200-1400  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.4	3.3	15.9	3.2	.4							25.2	9.3
NNE	.7	1.3	7.0	13.0	3.3							25.6	11.8
NE		1.3	.4	.4								2.2	6.8
ENE		.4										.4	6.0
E													
ESE													
SE													
SSE													
S		1.1		.7								1.9	8.4
SSW		.4	.4	.7								1.5	10.3
SW		.4	.7	.7	.4							2.2	10.8
WSW		1.5	5.2	1.1								7.8	8.6
W		.7	3.7									4.4	8.3
WNW	.4	3.0	5.9	1.5								10.7	8.2
NW	.4	2.6	7.0	1.5								11.5	8.2
NNW	1.1	4.8										5.9	4.4
VARBL												.7	
CALM													
	3.0	21.1	46.3	24.8	4.1							100.0	9.2

TOTAL NUMBER OF OBSERVATIONS 270

DATA PROCESSING DIVISION  
 ETAC/USAF  
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
 DIRECTION AND SPEED  
 (FROM HOURLY OBSERVATIONS)

SURFACE WINDS

42211 STATION TAI-CHUNG TAIWAN/CHING CHUAN KANG 69-71 YEARS APR MONTH 1300-1700 HOURS (L.S.T.)

ALL WEATHER CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N		4.1	16.7	7.0	1.5							29.3	9.6
NNE		2.2	8.5	12.2	3.0	.7						26.7	12.2
NE	.4	.7	1.5	.4								3.0	7.8
ENE	.7	.4	.4									1.5	4.0
E		.7										.7	4.5
ESE													
SE	.4											.4	1.0
SSE			.4									.4	7.0
S	.4											.4	2.0
SSW				.4								.4	12.0
SW				.4								.4	11.0
WSW		.4	1.9	1.1								3.3	10.2
W		.4	3.0	1.1								4.4	9.7
WNW		2.6	3.7									6.3	7.3
NW		3.7	4.1	.4								8.1	7.3
NNW		3.0	4.1	2.6								9.6	8.6
VARBL	1.5	2.2										3.7	4.0
CALM												1.5	
	3.3	20.4	44.1	23.6	4.4	.7						100.0	9.3

TOTAL NUMBER OF OBSERVATIONS 270

DATA PROCESSING DIVISION  
 FTAC/USAF  
 AIR WEATHER SERVICE/TAC

PERCENTAGE FREQUENCY OF WIND  
 DIRECTION AND SPEED  
 (FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 42218 STATION NAME TAI-CHUNG TAIWAN/CHING CHUAN KANG YEARS 59-71 PER MONTH 1000-2000  
 CLASS ALL WEATHER  
 CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	7.0	8.5	8.5	1.9								25.9	5.9
NNE	1.9	2.0	9.6	8.5		.4		.7				26.7	9.9
NE	1.5	2.6	1.9	5.2	.4							11.5	9.1
ENE													
E	.4											.4	2.0
ESE			.4									.4	7.0
SE	.7											.7	2.0
SSE	1.1	.4	.7	.7								3.0	6.6
S		2.6	1.1									3.7	6.0
SSW	.4		.4									.7	5.0
SW		.4	1.5									1.7	7.8
WSW	.4	.7	.4									1.5	5.3
W		.7	1.5	.4								2.4	7.9
WNW													
NW		4.1	1.1									5.2	5.9
NNW	1.5	1.9	1.5									4.8	5.4
VARBL	.7	1.5										2.2	4.2
CALM												8.9	
	15.6	28.9	24.5	16.7	.4	.4		.7				100.0	6.8

TOTAL NUMBER OF OBSERVATIONS 270

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

42218 STATION TAI-CHING TAIWAN/CHING CHUAN KANG 69-71 YEARS  
STATION NAME ALL WEATHER CLASS MONTH 2100-2300 HOURS (L.S.T.)  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	5.2	4.1	4.4	1.1								14.0	5.4
NNE	4.1	4.4	8.9	4.8				1.1				23.3	8.7
NE	3.3	2.6	4.8	2.2								13.0	6.5
ENE	1.1	.7										1.9	2.8
E	1.1	.4	.7									2.2	4.3
ESE			.4									.4	7.0
SE	.4											.4	1.0
SSE	1.1	1.1	.4									2.6	4.0
S	1.9	4.6	3.0	.7								10.4	5.8
SSW	.4	.4	.4									1.1	4.7
SW	1.1											1.1	3.0
WSW		.4										.4	4.0
W		.4	.4									.7	3.3
WNW													
NW		1.9	.4									2.2	5.0
NNW	1.1	.7	.4	.7								3.0	5.9
VARBL	.4											.4	3.0
CALM												22.2	
	21.1	21.9	24.1	9.6				1.1				100.0	5.0

TOTAL NUMBER OF OBSERVATIONS 270

DATA PROCESSING DIVISION  
 AFAC/USAF  
 AIR WEATHER SERVICE/AFAC

PERCENTAGE FREQUENCY OF WIND  
 DIRECTION AND SPEED  
 (FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 02219 TAI-CHING TAI-HAN/CHING CHUAN KANG 69-71  
 STATION NAME YEARS  
 ALL-WEATHER  
 CLASS  
 CONDITION  
 MONTH 0600-0200  
 HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	5.0	2.9	1.8									9.7	4.1
NNE	2.9	2.9	4.0	1.1	.7							11.3	6.4
NE	1.1	2.5	1.8	.4								5.8	5.9
ENE	1.4	.4										1.8	2.6
E	1.4	1.4										2.9	3.6
ESE	.4											.4	3.4
SE	.7											.7	1.4
SSE	1.1	3.2	.7									5.0	4.4
S	6.5	10.8	13.7	1.4								37.4	6.2
SSW	1.1	2.5	2.5	.4								6.5	6.6
SW	.7	.4	.4									1.4	4.3
WSW	.4		.4									.7	4.0
W	.7											.7	2.9
WNW	.4											.4	2.6
NW	1.1											1.1	1.7
NNW	1.1											1.1	2.7
VARBL	1.1											1.1	2.7
CALM												16.9	
	27.0	27.0	25.2	3.2	.7							100.0	4.5

TOTAL NUMBER OF OBSERVATIONS 278

DATA PROCESSING DIVISION  
 HTAC/USAF  
 AIR WEATHER SERVICE/HTAC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
 DIRECTION AND SPEED  
 (FROM HOURLY OBSERVATIONS)

42215 STATION TAI-CHUNG TAIWAN/CHUNG CHUAN KANG 49-71 YEARS MONTH DAY 000-0000 HOURS (LST.)

CLASS ALL-WEATHER

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	3.2	4.3	1.6									9.3	4.7
NNE	2.4	4.3	2.2	1.1	.7							12.5	6.3
NE	2.4	2.2	1.1	.4								6.5	5.2
ENE	.7	.4										1.1	3.0
E	.7	.4										1.1	3.0
ESE	.4	.4										.7	4.0
SE	.4											.4	3.0
SSE	1.6	2.4	.4	.4								5.2	4.9
S	3.0	13.1	10.4	3.2								33.7	6.3
SSW	1.1	3.9	1.6	.4								7.2	5.9
SW	1.1	.4										1.6	2.8
WSW			.4	.4								.7	11.5
W	.4											.4	1.0
WNW													
NW		.4										.4	6.0
NNW	1.1	.4										1.4	3.3
VARBL	1.9											1.4	2.0
CALM												16.8	
	23.1	34.8	14.3	5.7	.7							100.0	4.7

TOTAL NUMBER OF OBSERVATIONS 279

DATA PROCESSING DIVISION  
 AFAC/USAF  
 AIR WEATHER SERVICE/AFAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

42217 STATION TAI-CHUNG TAIWAN/CHING CHUAN KANG 69-71 YEARS MONTH 0600-0800 HOURS (LST)

ALL WEATHER CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	3.0	4.7	2.9									11.1	4.7
NNE	3.2	2.5	3.6	2.2	.4							11.9	7.4
NE	2.3	2.2	1.4	1.8								7.9	6.5
ENE	2.2											2.2	2.2
E	.4	.4										.7	2.5
ESE	1.1											1.1	1.7
SE	1.1											1.1	2.0
SSE	1.4	2.2	.4									3.9	4.2
S	2.3	10.0	10.8	3.9								33.3	7.4
SSW	.4	2.2	1.8	1.1								5.4	7.6
SW	.4	1.1										1.4	6.3
WSW													
W	.4	1.1										1.4	3.5
WNW	.4	.4										.7	3.0
NW	.4											.4	1.0
NNW		.7										.7	4.0
VARBL	3.0	1.8										5.4	2.9
CALM												11.9	
	23.3	29.0	26.9	9.0	.4							100.0	9.4

TOTAL NUMBER OF OBSERVATIONS 279



DATA PROCESSING DIVISION  
 PAC/USAF  
 AIR WEATHER SERVICE/PAC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
 DIRECTION AND SPEED  
 (FROM HOURLY OBSERVATIONS)

42214 TAI-CHUNG TAIWAN/CHING CHUAN KANG 53-71  
 STATION STATION NAME YEARS  
 ALL WEATHER  
 CLASS  
 MONTH 0900-1100  
 HOURS (LST)  
 CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.1	3.2	5.0	.7								10.0	4.7
NNE		3.2	3.9	2.2	.4	.7						10.4	9.4
NE		.7	1.8	1.1								3.6	9.8
ENE		.7	.4									1.1	5.3
E	.7											.7	1.5
ESE	.4											.4	2.8
SE	.4		.4									.7	5.0
SSE	.7	1.4	1.1									3.2	5.6
S	.7	2.2	9.7	.3								16.8	8.6
SSW		1.8	3.2	2.9								7.9	9.6
SW	.4	.7	1.4	.4	.4	.4						3.6	10.5
WSW	.4	.7	8.1	.7								7.9	8.6
W		1.4	3.9	1.1								6.5	8.6
WNW		2.2	1.1									3.2	5.6
NW		1.1	.7									1.8	6.0
NNW		2.5	3.2	.7								6.5	7.5
VARBL	8.0	6.5										15.1	3.4
CALM												.7	
	13.3	28.3	41.9	14.0	.7	1.1						100.0	7.4

TOTAL NUMBER OF OBSERVATIONS 279

DATA PROCESSING DIVISION  
AFAC/USAF  
AIR WEATHER SERVICE/AFAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

42218	TAI-CHUNG TAIWAN/CHING CHUAN KANG	59-71	AY
STATION	STATION NAME	YEARS	MONTH
	ALL WEATHER		1200-1400
	CLASS		HOURS (LST)
	CONDITION		

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		3.2	11.8	3.0								18.6	8.9
NNE	1.1		3.6	2.5	.7	.4						8.2	11.0
NE	.4	.4		1.8								2.5	9.4
ENE													
E													
ESE			.4									.4	10.0
SE													
SSE		.4	.4									.7	8.0
S		.4	2.5	3.2								6.1	10.8
SSW	.4		1.8	1.4								3.6	10.4
SW	.7		1.4	1.1								3.2	9.1
WSW		.7	8.2	5.0								14.0	10.4
W		1.8	7.9	7.2								16.8	9.7
WNW		1.4	2.9	1.1								5.4	8.1
NW		1.1	5.0									6.1	7.6
NNW		1.8	8.2	.4								10.4	8.1
VARBL	1.4	2.2										3.6	4.1
CALM												.4	
	3.4	13.3	34.1	27.2	.7	.4						100.0	9.2

TOTAL NUMBER OF OBSERVATIONS 279

DATA PROCESSING DIVISION  
 FTAC/USAF  
 AIR WEATHER SERVICE/TAC

PERCENTAGE FREQUENCY OF WIND  
 DIRECTION AND SPEED  
 (FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 42218 STATION NAME TAI-CHUNG TAIWAN/CHING CHUAN KANG YEARS 59-71 MONTH AY  
 CLASS ALL WEATHER MONTH 1500-1700  
 CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		2.2	15.1	5.0								22.2	3.1
NNE	.1	.7	4.7	4.7	.7							11.5	10.8
NE	.4	.4	.4	1.1								2.7	9.2
ENE													
E													
ESE													
SE													
SSE			.7									.7	8.0
S		.7	2.3	1.4								4.7	8.7
SSW		.7	1.1	2.2	.4							4.3	11.1
SW		1.1	1.8	3.6								6.5	10.8
WSW		1.8	8.2	2.2								12.2	8.6
W		2.2	9.3	2.5								14.0	8.9
WNW	.4	1.4	3.2	.4								5.4	7.4
NW	.4	2.2	1.8									4.3	6.7
NNW	.4	4.3	5.4	.4								10.4	7.1
VARBL	.4	1.4										1.8	4.2
CALM												.0	
	2.5	19.0	54.1	23.3	1.1							100.0	9.0

TOTAL NUMBER OF OBSERVATIONS 279

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

42219 STATION TAI-CHUNG TAIWAN/CHING CHUAN KANG 69-71 YEARS  
STATION NAME CLASS ALL WEATHER  
CONDITION  
DAY MONTH 1000-2000  
HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	5.0	7.2	5.7	1.1								19.0	4.6
NNE	2.5	5.4	6.5	3.9								18.3	7.7
NE	.7	1.1	.4	1.1								3.2	7.2
ENE	.4											.4	2.0
E	1.1											1.1	3.0
ESE													
SE		.4										.4	4.0
SSE	1.8	.7		.4								2.9	4.4
S	1.8	6.8	6.1	1.1								15.4	6.6
SSW	.7	1.4	2.2	.7								5.0	7.0
SW	.4	2.2	3.2	.7								6.5	7.3
WSW	.7	2.5	3.2									6.5	7.0
W	.7	2.5	2.5									5.7	6.1
WNW		.7	.4									1.1	5.3
NW	.7	1.1										1.8	3.8
NNW	1.1	1.8	1.1									3.9	5.0
VARBL	1.8	1.4										3.2	3.4
CALM												5.4	
	19.4	35.1	31.2	9.0								100.0	6.0

TOTAL NUMBER OF OBSERVATIONS 279

DATA PROCESSING DIVISION  
 FTAC/USAF  
 AIR WEATHER SERVICE/FTAC

PERCENTAGE FREQUENCY OF WIND  
 DIRECTION AND SPEED  
 (FROM HOURLY OBSERVATIONS)

SURFACE WINDS

4221 STATION 4221 TAI-CHING TAI-AN/CHING CHUAN KANG 69-71  
 STATION NAME YEARS  
 ALL-WEATHER CLASS  
 CONDITION  
 MONTH 2100-2300  
 HOURS (LST)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	0.1	4.7	1.8									12.5	4.3
NNE	3.2	3.2	3.6	1.8								11.8	6.8
NE	1.4	1.1	1.8	.7								5.0	6.9
ENE	1.8		.7									2.5	3.9
E	1.1											1.1	2.3
ESE	.4	.4										.7	3.5
SE													
SSE	1.8	2.2	.4									4.3	4.2
S	7.9	8.2	9.3	.7								26.2	5.6
SSW	2.9	3.2	1.8									7.9	5.0
SW	1.1	1.8	1.4									4.3	5.3
WSW	.7	.7	1.1									2.5	5.7
W	1.8		.4									2.2	3.7
WNW	.4											.4	1.0
NW	1.1											1.1	2.0
NNW	.4	.4										.7	3.5
VARBL	2.9	1.1										3.9	2.8
CALM												12.9	
	34.8	26.9	22.2	3.2								100.0	4.5

TOTAL NUMBER OF OBSERVATIONS 279

DATA PROCESSING DIVISION  
 STAC/USAF  
 AIR WEATHER SERVICE/TAC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
 DIRECTION AND SPEED  
 (FROM HOURLY OBSERVATIONS)

STATION 42218 STATION NAME TAI-CHING TAIWAN/CHING CHUAN KANG YEARS 69-71 MONTH JUNE  
 CLASS ALL WEATHER HOURS 0000-0700  
 CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	3.0	3.0	2.2									8.1	4.9
NNE	3.3	1.9	1.5									6.7	4.4
NE	.7	1.1										1.9	4.0
ENE	.4	1.5										1.9	3.8
E	3.0											3.0	1.9
ESE	1.5	.7										2.2	3.2
SE	1.1		.4									1.5	3.3
SSE	0.3	3.7	.7	.4								11.1	3.8
S	9.3	19.3	9.3	.4								38.1	5.1
SSW	1.9	1.5	.7	.4								4.4	5.1
SW	1.1	.7										1.9	2.8
WSW	.6											.4	3.0
W	1.2											1.5	1.8
WNW	.4											.4	1.0
NW			.4									.4	7.0
NNW	.7											.7	2.0
VARBL	1.5											1.5	2.5
CALM												14.4	
	35.4	33.3	15.2	1.1								100.0	3.8

TOTAL NUMBER OF OBSERVATIONS 270

DATA PROCESSING DIVISION  
 FTAC/USAF  
 AIR WEATHER SERVICE/TAC

PERCENTAGE FREQUENCY OF WIND  
 DIRECTION AND SPEED  
 (FROM HOURLY OBSERVATIONS)

SURFACE WINDS

4221- STATION TAI-CHUNG TAIWAN/CHING CHUAN KANG 69-71 YEARS MONTH 0300-0500 HOURS (L.S.T.)

ALL WEATHER CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.1	3.0	3.3									7.4	5.7
NNE	1.9	3.7	1.1									6.7	4.7
NE	.4	.7										1.1	3.7
ENE	1.3	.7										2.2	2.8
E	2.6	.4										3.0	2.1
ESE	3.0			.4								3.3	3.4
SE	.4	.4	.4									1.1	3.3
SSE	3.0	3.3	.4									9.4	3.3
S	7.6	20.7	9.3	.7								38.5	5.2
SSW	1.1	1.9	.4									3.3	4.4
SW	1.9	.7										2.6	3.3
WSW	.4	.4	.4									1.1	3.3
W	.7	.4										1.1	2.3
WNW		.4										.4	4.0
NW	.4	.4										.7	3.3
NNW	.4											.4	3.0
VARBL	2.0	.4										3.0	2.3
CALM												14.8	
	31.3	37.4	13.2	1.1								100.0	3.8

TOTAL NUMBER OF OBSERVATIONS 270

DATA PROCESSING DIVISION  
 AFAC/USAF  
 AIR WEATHER SERVICE/AFAC

PERCENTAGE FREQUENCY OF WIND  
 DIRECTION AND SPEED  
 (FROM HOURLY OBSERVATIONS)

SURFACE WINDS

42218 STATION TAI-CHUNG TAIWAN/CHING CHUAN KANG 59-71  
 STATION NAME YEARS  
 ALL WEATHER CLASS  
 CONDITION  
 MONTH 0600-0300  
 HOURS (LST)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.4	3.0	2.2	.4								5.9	6.3
NNE	1.1	5.2	2.6	.4								9.3	6.0
NE	1.9	1.9										3.7	3.8
ENE	3.3	.4										3.7	2.5
E	2.6	1.9	.7									5.2	4.1
ESE	.4	.4										.7	3.5
SE	1.1	.4										1.5	2.3
SSE	.7	2.2	1.5									4.4	5.7
S	6.3	16.7	13.7	.7								37.4	5.9
SSW		4.1	1.5									5.6	6.3
SW	.7		.4									1.1	3.3
WSW	1.1	.4		.4								1.9	4.4
W	.4	.4			.4							1.1	8.0
WNW	1.1	1.1										2.2	3.5
NW	.4											.4	3.0
NNW	.7											.7	2.3
VARBL	4.8	1.5										6.3	2.5
CALM												8.9	
	27.0	39.2	22.6	1.9	.4							100.0	4.7

TOTAL NUMBER OF OBSERVATIONS 270



DATA PROCESSING DIVISION  
 AFAC/USAF  
 AIR WEATHER SERVICE/AFAC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
 DIRECTION AND SPEED  
 (FROM HOURLY OBSERVATIONS)

422.5 STATION TAI-CHANG TAIWA /CHING CHUAN KANG 69-71 YEARS  
 CLASS ALL WEATHER  
 MONTH 0900-1100  
 HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.5	3.7	4.8									10.0	6.3
NNE		1.1	3.3	1.1								5.6	3.1
NE	.4	1.9										2.7	4.7
ENE		.7	.7									1.5	6.5
E		.7										.7	5.0
ESE		.4										.4	4.0
SE			.4									.4	7.0
SSE		1.5	2.2									3.7	6.4
S		1.5	13.0	1.4								16.3	8.9
SSW		1.1	7.0	1.1								9.3	8.8
SW		1.1	4.4	1.1								6.7	8.8
WSW		2.6	1.5	.7								4.8	7.0
W	.4	3.7	4.8									8.9	6.7
WNW	.4	1.5	.4									2.2	5.0
NW	.4	.4	1.1									1.9	6.0
NNW	.4	4.8	1.9									7.0	5.7
VARBL	5.0	9.2	1.1	.4								16.3	4.5
CALM												2.2	
	6.4	35.4	46.7	6.2								100.0	6.7

TOTAL NUMBER OF OBSERVATIONS 270

DATA PROCESSING DIVISION  
 TAC/USAF  
 AIR WEATHER SERVICE/TAC

PERCENTAGE FREQUENCY OF WIND  
 DIRECTION AND SPEED  
 (FROM HOURLY OBSERVATIONS)

SURFACE WINDS

42215 STATION TAI-CHUNG TAIWAN/CHING CHUAN KANG 69-71 YEARS MONTH 1200-1400 HOURS (LST)  
 CLASS ALL WEATHER  
 CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.1	3.3	7.8	2.0								14.4	8.2
NNE		.4	3.0	1.2								4.8	9.2
NE		.4										.4	4.0
ENE		.4										.4	6.0
E													
ESE													
SE													
SSE		.4	2.2	.7								3.3	8.7
S		.4	1.2	1.1								3.3	9.3
SSW				1.1	.4							1.5	13.5
SW		.7	1.1	1.9	.4							4.1	10.9
WSW		1.5	8.1	4.1								13.7	9.5
W		3.3	14.1	2.6								20.0	8.6
WNW		2.7	7.4									11.1	7.3
NW		1.1	1.7									4.8	7.3
NNW	.4	1.5	8.5	.7								11.1	7.9
VARBL	.7	3.3	2.2	.7								7.0	6.6
CALM												.0	
	1.4	20.4	50.0	17.0	.7							100.0	8.4

TOTAL NUMBER OF OBSERVATIONS 270

DATA PROCESSING DIVISION  
 STAG/USAF  
 AIR WEATHER SERVICE/STAG

PERCENTAGE FREQUENCY OF WIND  
 DIRECTION AND SPEED  
 (FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION: 221 STATION NAME: TAI-CHUNG TAIWAN/CHUNG CHUAN KANG YEARS: 69-71 MONTH: 1200-1200  
 CLASS: ALL WEATHER  
 CONDITION:

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.1	3.7	12.2	1.1								17.8	8.1
NNE		2.2	2.6	1.3								6.7	8.3
NE		1.1	1.5									2.6	13.4
ENE													
E	.4	.4										.7	4.5
ESE		.7										.7	5.5
SE	.4											.4	3.8
SSE	.4	.7	.4									1.5	5.3
S	.4	.7	4.1	.4								5.6	8.1
SSW				.7								1.1	12.0
SW	.4	.7	1.5	1.5	.4							4.4	10.1
WSW		.7	8.1	6.7								13.6	10.2
W	.4	1.3	7.4	4.1								13.3	9.2
WNW	.4	3.3	1.5									5.2	6.4
NW	.4	1.1	6.7									8.1	5.9
NNW		2.6	6.3	.4								9.3	5.1
VARBL	1.2	3.0	1.5	.7								6.7	5.8
CALM												.4	
	2.4	22.6	54.1	17.4	.4							100.0	8.2

TOTAL NUMBER OF OBSERVATIONS 270

4TH PROFESSIONAL DIVISION  
 PAC/USAF  
 AIR WEATHER SERVICE/PAC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
 DIRECTION AND SPEED  
 (FROM HOURLY OBSERVATIONS)

STATION 4221 TAI-CHUNG TAI-WAN/CHING CHUAN KANG 49-71 YEARS MONTH 1960-2000  
 CLASS ALL WEATHER  
 CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	4.4	7.0	4.1	.4								15.0	3.2
NNE	1.5	4.1	6.3	.7								12.6	4.4
NE		2.6										2.6	4.4
ENE		.4										.4	6.0
E	.7	1.5	.4									2.6	5.0
ESE	1.9	.7										2.6	3.0
SE	.7	.7	.4									1.9	3.8
SSE	.4	4.0	.7									3.7	5.5
S	.4	7.4	7.0									14.8	6.5
SSW	2.0	4.8	1.1	.7								9.8	5.6
SW		1.5	4.4	1.1								7.0	8.2
WSW	.4	2.6	1.5	.4								4.7	6.1
W	1.5	2.2	1.9									5.6	5.7
WNW	.7	.4										1.1	3.3
NW	.7	1.5										2.2	4.2
NNW	.7	3.3	1.2									5.6	5.4
VARBL	1.1											1.1	2.0
CALM												6.3	
	17.0	43.3	29.3	3.3								100.0	5.4

TOTAL NUMBER OF OBSERVATIONS 270

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/TAC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

42218 STATION TAI-CHUNG TAINA / CHUNG CHUAN KANG 60-71  
STATION NAME YEARS  
ALL WEATHER CLASS  
MONTH 7100-2100  
HOURS (L.S.T.)  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	3.7	1.1									12.6	3.4
NNE	3.0	3.0	1.5	.7								5.1	5.5
NE	1.9		.4									2.2	3.7
ENE	.7	.4										1.1	3.0
E	1.4	1.1	.4									3.3	3.4
ESE	.4	.7										1.1	4.7
SE	2.2	1.1										3.3	3.1
SSE	1.4	2.0	1.5									5.6	4.8
S	8.5	17.8	8.9	1.1								36.3	5.4
SSW	3.3	3.0										6.3	3.6
SW	.7											.7	2.0
WSW	1.1	.7										1.6	3.6
W	.4	.4										.7	3.5
WNW	.4											.4	3.0
NW		.7										.7	3.0
NNW	.7	.4										1.1	3.3
VARBL	1.5	.7										2.2	3.3
CALM												11.5	
	36.3	36.2	13.7	1.9								100.0	4.6

TOTAL NUMBER OF OBSERVATIONS 270

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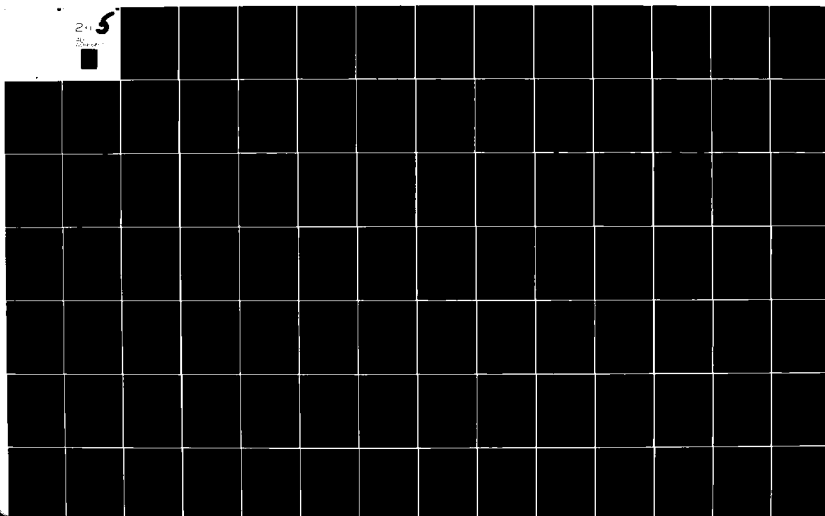
AIR FORCE ENVIRONMENTAL TECHNICAL APPLICATIONS CENTER--ETC F/8 4/2  
CHING CHUAN KANG AB, KUNG KUAN, FORMOSA, REVISED UNIFORM SUMMAR--ETC(U)  
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UNCLASSIFIED USAFETAC/DS-80/083

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DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/14C

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

42218 STATION TAI-CHUNG TAIWAN/CHING CHUAN KANG 69-71 JUL MONTH  
STATION NAME YEARS  
ALL WEATHER CLASS  
CONDITION  
0000-0200 HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7											.7	3.0
NNE			.7			.4						1.1	13.0
NE			.4			.4						.7	16.0
ENE	.4		.4									.7	5.0
E	1.1	.7										1.8	3.0
ESE	1.8											1.8	2.0
SE	2.2	.7										2.9	2.8
SSE	4.7	2.5	1.1									8.2	3.7
S	12.9	28.3	11.8	.7	.4	.4						54.5	5.4
SSW	.7	2.2	2.2	.4								5.4	6.2
SW	.4	1.4		.4								2.2	6.5
WSW	1.1	1.1										2.2	2.8
W	1.1	.7	.4									2.2	3.5
WNW	.4											.4	2.0
NW	.4											.4	2.0
NNW	.4	.4										.7	3.0
VARBL	2.2				.4							2.5	4.6
CALM												11.8	
	30.1	38.0	16.8	1.4	.7	1.1						100.0	4.5

TOTAL NUMBER OF OBSERVATIONS 279

DATA PROCESSING DIVISION  
HTAC/USAF  
AIR WEATHER SERVICE/HTAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

42218 STATION TAI-CHUNG TAIWAN/CHING CHUAN KANG 69-71 YEARS MONTH JUNE  
CLASS ALL WEATHER HOURS (L.S.T.) 0300-0500  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.1	.4	.4									1.8	3.8
NNE	1.4		.7									2.7	4.2
NE													
ENE	.4		.4									.7	5.5
E	1.8											1.8	2.2
ESE	2.9	.4										3.2	2.4
SE	.4											.4	1.0
SSE	7.9	2.2	.4									11.5	3.1
S	11.5	29.0	11.5	1.1								53.0	5.3
SSW	1.8	2.5	1.4	.4								6.1	5.5
SW	.4			.4								.7	8.5
WSW	.7											.7	1.5
W	.4	.4										.7	3.5
WNW	.4											.4	3.0
NW	.4	.4										.7	4.5
NNW	.4											.4	2.0
VARBL	1.1	.4	.4	.4								2.2	5.5
CALM												13.6	
	32.0	36.0	15.1	2.2								100.0	4.1

TOTAL NUMBER OF OBSERVATIONS 279



2

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

42218  
STATION

TAI-CHUNG TAIWAN/CHING CHUAN KANG  
STATION NAME

69-71  
YEARS

JUL  
MONTH

ALL WEATHER  
CLASS

0600-0800  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7		.4									1.1	4.3
NNE	.4	1.8	.4									2.6	5.3
NE	.4	.4										.7	3.0
ENE	.7	1.4										2.2	3.8
E	1.8	1.8										3.6	3.7
ESE	1.4											1.4	2.0
SE	3.2	.7										3.9	2.4
SSE	5.0	7.9	2.2									15.1	4.2
S	5.4	19.7	17.9	2.9								45.9	6.3
SSW		1.4	1.4	.4								3.7	7.9
SW		.7	.4									1.1	6.3
WSW	.4											.4	3.0
W		.4										.4	4.0
WNW	1.1											1.1	2.3
NW	.4	.4										.7	3.5
NNW													
VARBL	3.9	1.4	.4	.7								6.5	4.6
CALM												10.4	
	24.7	38.0	22.9	3.9								100.0	4.8

TOTAL NUMBER OF OBSERVATIONS

279

DATA PROCESSING DIVISION  
 AFAC/USAF  
 AIR WEATHER SERVICE/AFAC

PERCENTAGE FREQUENCY OF WIND  
 DIRECTION AND SPEED  
 (FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 42213 STATION NAME TAI-CHUNG TAIWAN/CHING CHUAN KANG YEARS 69-71 MONTH JUL  
 CLASS ALL WEATHER HOURS (L.S.T.) 0900-1100  
 CONDITION \_\_\_\_\_

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.4	1.4	2.2	.4								4.3	7.0
NNE		1.1	1.1	.4								2.5	7.5
NE			.7									.7	9.0
ENE			.4									.4	7.0
E													
ESE	.7											.7	2.0
SE			.4	.4								.7	10.0
SSE		1.1	.7									1.8	6.0
S	.7	3.6	10.0	2.9	.7							17.9	8.7
SSW	1.1	2.2	4.7	4.7								12.5	8.9
SW		1.1	4.3	3.2								8.6	10.0
WSW		3.6	3.2	1.8								8.6	8.1
W	1.1	1.8	3.6	.4								6.8	7.1
WNW		2.9	1.4									4.3	6.1
NW	.4	1.4	1.4									3.2	6.8
NNW	.4	2.5	2.5									5.4	5.9
VARBL	7.5	8.2	2.9	.4	1.4							20.4	5.5
CALM												1.1	
	12.2	30.8	39.4	14.3	2.2							100.0	7.4

TOTAL NUMBER OF OBSERVATIONS 279

DATA PROCESSING DIVISION  
 FTAC/USAF  
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
 DIRECTION AND SPEED  
 (FROM HOURLY OBSERVATIONS)

SURFACE WINDS

42218 STATION TAI-CHUNG TAINAN/CHING CHUAN KANG 69-71 YEARS JUL MONTH 1200-1400 HOURS (L.S.T.)

ALL WEATHER CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		.7	1.8	1.4								3.9	9.4
NNE			.4	.4								.7	10.3
NE		.4	.7									1.1	7.3
ENE			.4									.4	10.0
E			.4									.4	8.0
ESE													
SE													
SSE		.4	.4									.7	6.0
S			2.2	1.1	.7	.4	.4					4.7	13.6
SSW		.4	1.6	1.4	1.1							4.7	12.6
SW			1.4	3.0	.4							6.8	12.7
WSW		1.8	8.6	7.2								17.8	9.7
W		2.3	14.7	4.7								21.9	9.0
WNW	.4	1.1	6.8	.7								9.0	7.9
NW		3.2	6.5									9.7	7.6
NNW		1.8	3.7	1.1								8.6	7.9
VARBL	1.1	.7	4.7	2.3	.7	.4						10.0	10.4
CALM												.0	
	1.4	12.9	36.3	23.4	2.9	.7	.4					100.0	9.6

TOTAL NUMBER OF OBSERVATIONS 279

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

4221R  
STATION

TAI-CHUNG TAIWAN/CHING CHUAN KANG  
STATION NAME

69-71  
YEARS

JUL  
MONTH

ALL WEATHER  
CLASS

1500-1700  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		2.9	6.1	1.1								10.0	8.1
NNE			1.1									1.1	9.3
NE													
ENE													
E			.4									.4	8.0
ESE													
SE													
SSE			.4									.4	9.0
S		.7	2.5	3.2	.4		.4					7.2	11.9
SSW		1.1	2.2	2.5	.7							6.5	11.3
SW		.4	.7	1.1								2.2	10.3
WSW		.4	6.5	10.8								17.6	11.4
W		2.2	14.0	4.3								20.4	9.2
WNW	.4	2.2	2.9									5.4	6.9
NW		2.2	3.7	.7								9.7	7.3
NNW		2.2	2.4	1.4								9.0	8.6
VARBL	1.1	2.9	2.5	2.2	1.1							10.4	8.6
CALM												.0	
	1.4	18.6	30.2	27.2	2.2		.4					100.0	9.4

TOTAL NUMBER OF OBSERVATIONS 279

2

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

42218  
STATION

TAI-CHUNG TAIWAN/CHING CHUAN KANG  
STATION NAME

69-71  
YEARS

JUL  
MONTH

ALL WEATHER  
CLASS

1800-2000  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	3.0	6.1	3.2									14.4	4.6
NNE	.7	1.4	.4		.4	.7						3.6	10.4
NE		.7										.7	5.0
ENE		.4										.4	4.0
E	.4	.7										1.1	4.3
ESE		.7										.7	5.0
SE	.4	.4	.4									1.1	5.7
SSE	1.1	2.2	1.1									4.3	5.1
S	1.8	6.1	8.6	2.2	1.1							19.8	7.9
SSW	.7	2.9	3.2	.4								7.2	6.4
SW	.7	2.9	1.4	.4								5.0	6.0
WSW	.7	3.2	3.0	4.3								13.9	8.3
W	2.2	1.1	1.1	.4								4.7	5.1
WNW	2.9	1.4	.7									4.7	3.8
NW	2.2	1.8	.4									4.3	3.8
NNW	1.4	1.8	1.4									4.7	5.1
VARBL	3.2	1.8	.4	.4								5.8	4.1
CALM												4.3	
	23.0	35.3	27.3	7.9	1.4	.7						100.0	5.9

TOTAL NUMBER OF OBSERVATIONS

278

DATA PROCESSING DIVISION  
 FTAC/USAF  
 AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

62218 TAI-CHUNG TAIWAN/CHING CHUAN KANG 69-71  
 STATION STATION NAME YEARS  
 ALL WEATHER  
 CLASS  
 CONDITION  
 2100-2300  
 NORTH  
 HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	4.7	2.5				.4						7.5	4.2
NNE	1.4	.4	.7			.4		.4				3.5	9.5
NE	.4	.4	.7									1.4	5.5
ENE	.4	.4										.7	3.5
E	.4	1.1										1.4	4.0
ESE	.4	.4										.7	3.5
SE	1.1	.4										1.4	2.8
SSE	3.0	3.2	.4									7.2	3.7
S	8.0	19.7	10.8	.4	.7							40.1	5.5
SSW	1.4	2.5	4.3	.4		.4						9.3	7.1
SW	1.4	.7	.4									2.5	4.0
WSW	1.4	1.8	.4									3.9	3.5
W	2.2	1.4										3.6	3.0
WNW	.7											.7	2.5
NW	2.2	.7	.4									3.2	2.9
NNW	1.1	.4										1.4	2.8
VARBL	1.4											1.8	2.6
CALM												9.3	
	34.1	35.8	17.9	.7	.7	1.1		.4				100.0	4.6

TOTAL NUMBER OF OBSERVATIONS 279

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/HAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

42215 STATION TAI-CHUNG TAIWAN/CHING CHUAI KANG 69-71 YEARS 210 MONTH 0000-0200 HOURS (L.S.T.)  
CLASS ALL WEATHER  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.4	1.4										3.4	3.4
NNE	.9	.7										1.1	3.7
NE	.4											.4	2.0
ENE	.5											.4	2.0
E	1.8											1.8	1.6
ESE	.7											.7	2.5
SE	2.9	.4	.4									3.2	3.3
SSE	6.1	4.7	1.1									11.8	3.8
S	13.0	22.9	12.2	1.4								50.2	3.2
SSW	2.4	2.9	1.1	.4	.4							6.8	3.6
SW	2.9	.7	.4	.4								3.9	4.4
WSW	.7	.4		.4								1.4	5.5
W	1.1	1.1										2.2	3.2
WNW	.7											.7	1.5
NW	.4											.4	3.0
NNW													
VARBL	1.8											1.8	2.2
CALM												9.7	
	37.3	35.1	15.1	2.5	.4							100.0	4.1

TOTAL NUMBER OF OBSERVATIONS 279

DATA PROCESSING DIVISION  
 FTAC/USAF  
 AIR WEATHER SERVICE/AC

PERCENTAGE FREQUENCY OF WIND  
 DIRECTION AND SPEED  
 (FROM HOURLY OBSERVATIONS)

SURFACE WINDS

62218  
 STATION

TAI-CHUNG TAIWAN/CHING CHUAN KANG  
 STATION NAME

69-71  
 YEARS

AUG  
 MONTH

ALL FEATHER  
 CLASS

2300-0500  
 HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.5	1.1	.4									3.9	3.5
NNE	.7											.7	2.5
NE	.7											.7	2.0
ENE	1.0	1.1										2.5	3.0
E	1.0	1.1										2.7	2.6
ESE	1.1	.4										1.4	2.8
SE	1.0	.4										2.2	2.3
SSE	6.0	3.9	.7									11.5	3.2
S	11.1	24.0	11.1	.7								47.0	5.1
SSW	2.2	1.4	.7									4.3	4.3
SW	.4	2.2										2.5	4.0
WSW	.4		.4									.7	5.0
W	1.0	.4										2.2	2.5
WNW	.7											.7	2.5
NW	.4											.4	2.0
NNW	.4											.4	3.0
VARBL	3.2	.4										3.6	2.2
CALM												12.2	
	37.6	36.2	12.3	.7								100.0	3.7

TOTAL NUMBER OF OBSERVATIONS

279



DATA PROCESSING DIVISION  
 AFAC/USAF  
 AIR WEATHER SERVICE/PAC

PERCENTAGE FREQUENCY OF WIND  
 DIRECTION AND SPEED  
 (FROM HOURLY OBSERVATIONS)

SURFACE WINDS

4221A  
 STATION

TAI-CHUNG TAIWAN/CHING CHUAN KANG  
 STATION NAME

69-71  
 YEARS

ALL WEATHER  
 CLASS

0600-0800  
 MONTH  
 HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.8	2.2										3.7	3.3
NNE	2.9	.7	1.4									5.0	4.2
NE	.7	1.8	.4									2.9	4.6
ENE	2.5	.4										2.9	2.6
E	5.4	.7										6.1	2.1
ESE	1.4											1.4	2.3
SE	4.7	.7										5.4	2.6
SSE	0.1	3.0	1.1									10.8	3.7
S	7.5	19.4	13.3	1.8		.4						42.3	5.0
SSW	.4	1.8	.4									2.3	5.1
SW		.7										.7	5.0
WSW	.7	.4										1.1	3.0
W	.4	.7	.4									1.4	4.5
WNW	.4											.4	2.0
NW	.4											.4	1.0
NNW	.7	.7										1.4	3.3
VARBL	4.2	.7										5.0	2.5
CALM												6.5	
	40.1	34.4	19.8	1.8		.4						100.0	4.2

TOTAL NUMBER OF OBSERVATIONS 279

DATA PROCESSING DIVISION  
 AFAC/USAF  
 AIR WEATHER SERVICE/AFAC

PERCENTAGE FREQUENCY OF WIND  
 DIRECTION AND SPEED  
 (FROM HOURLY OBSERVATIONS)

SURFACE WINDS

4221° STATION TAI-CHUNG TAIWAN/CHUNG CHUAN KANG 69-71 YEARS MONTH 0900-1100 HOURS (LST)

ALL WEATHER CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	3.2	6.5									10.4	6.7
NNE		2.2	1.8									3.9	6.9
NE		.4										.4	5.7
ENE	.4	.4										.7	4.7
E	.4											.4	2.6
ESE													
SE	.4	.4	.4									1.1	4.7
SSE	.7	2.2	2.2	.4								5.4	6.8
S	1.1	5.0	11.5	3.9	.7							22.2	8.5
SSW	1.8	1.1	2.5	.4								5.7	6.1
SW		2.9	2.2	.7								5.7	7.6
WSW	.4	.7	1.1									2.2	6.3
W	.4	5.0	2.2									7.5	5.7
WNW	.4	2.9	.7									3.9	5.1
NW		1.1	2.5									3.6	6.9
NNW	.4	2.5	3.6	.7								7.2	7.1
VARBL	9.7	8.6	.4									18.6	3.5
CALM												1.1	
	16.2	38.4	37.2	6.1	.7							100.0	6.3

TOTAL NUMBER OF OBSERVATIONS 279

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

42210 STATION TAI-CHUNG TAIWAN/CHING CHUAN KANG 69-71 YEARS MONTH AUG  
CLASS ALL WEATHER HOURS (L.S.T.) 1200-1400  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		1.8	7.9	1.1								10.8	8.5
NNE		.4	.4									.7	7.0
NE													
ENE		.4										.4	6.0
E													
ESE													
SE													
SSE			.7	.4								1.1	10.0
S			4.3	3.6		.7						8.6	11.6
SSW			1.8	3.2	.4							5.4	12.1
SW		.7	1.8	1.8								4.3	9.4
WSW		.7	2.5	1.4								4.7	9.1
W	.7	3.6	13.3	1.1								18.6	7.8
WNW		2.9	5.7	.4								9.0	7.3
NW		1.8	6.1	.7								8.6	8.1
NNW		1.8	12.5	1.8								16.1	8.6
VARBL	1.4	8.2	2.2									11.8	5.4
CALM												.0	
	2.2	22.2	59.1	15.4	.4	.7						100.0	8.4

TOTAL NUMBER OF OBSERVATIONS 279

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

42210 STATION TAI-CHUNG TAIWAN/CHING CHUAN KANG 69-71 YEARS  
CLASS ALL WEATHER MONTH 1500-1700  
HOURS (L.S.T.)  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		1.4	10.0	3.9								15.4	9.2
NNE		.7	.7	.4								1.8	8.2
NE		.4										.4	6.0
ENE													
E		.4	.4									.7	7.0
ESE		.4										.4	3.0
SE		1.1										1.1	6.0
SSE		.7	.7	1.1								2.5	9.4
S	.4	1.4	4.3	2.9	.4	.7						9.7	10.7
SSW			1.8	2.9								4.7	10.9
SW			1.8	1.1	.4							3.2	11.1
WSW	.4	2.2	4.3	.7								7.3	7.9
W	.4	3.9	7.9	1.8								14.0	7.9
WNW		2.9	4.7	.4								7.9	7.1
NW		1.8	6.1									7.9	7.2
NNW	.4	4.3	11.5	.7								16.9	7.5
VARBL	1.1	2.5	1.4									5.0	5.6
CALM												1.1	
	2.3	24.0	55.6	15.4	.7	.7						100.0	8.2

TOTAL NUMBER OF OBSERVATIONS 279

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

4221A STATION TAI-CHUNG TAIWAN/CHING CHUAN KANG 69-71 MONTH 100-2000  
STATION NAME YEARS MONTH HOURS (L.S.T.)  
ALL WEATHER  
CLASS  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.9	9.0	2.9	.4								15.1	5.0
NNE	.7	1.4	1.1									3.2	5.6
NE													
ENE		.4	.4									.7	6.0
E		.7										.7	5.0
ESE		.4	.4									.7	4.5
SE		.7										.7	4.5
SSE	2.5	1.4	1.8									5.7	4.6
S	3.9	6.8	9.7	1.4		1.1						22.9	7.3
SSW	1.1	2.5	2.2	1.1								6.8	7.1
SW	1.4	.7	2.5									4.7	6.2
WSW	.7	2.9	1.8									5.4	5.4
W	2.2	4.3	1.4									7.9	5.0
WNW	1.4	2.2	.4									3.9	4.1
NW	1.1	2.5	1.1									4.7	4.9
NNW	2.9	4.7	2.2									9.7	4.7
VARBL	1.8	1.4										3.2	3.1
CALM												3.9	
	22.6	41.9	27.6	2.9		1.1						100.0	5.4

TOTAL NUMBER OF OBSERVATIONS 279

DATA PROCESSING DIVISION  
 JTAC/USAF  
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
 DIRECTION AND SPEED  
 (FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 42218 STATION NAME TAI-CHUNG TAIWAN/CHING CHUAN KANG YEARS 69-71 MONTH AUG  
 CLASS ALL WEATHER HOURS (L.S.T.) 2100-2300  
 CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	3.2	2.2	.4									5.7	3.6
NNE	1.1	1.4										2.5	4.1
NE		.4										.4	5.0
ENE													
E	.7											.7	2.5
ESE	.7											.7	2.0
SE	1.4	.4										1.8	2.6
SSE	1.8	2.5	.7									5.0	4.4
S	10.8	17.2	15.1	1.1	.7							44.8	5.8
SSW	2.9	1.4		.4								4.7	4.1
SW	1.4		.4									1.8	3.4
WSW	1.8	1.1	.4									3.2	3.8
W	3.9	.7	.4									5.0	2.9
WNW	1.1	.7										1.8	3.0
NW	2.2	1.1										3.2	2.4
NNW	1.8	.4										2.2	2.7
VARBL	3.2											3.2	2.2
CALM												13.3	
	38.0	29.4	17.2	1.4	.7							100.0	4.0

TOTAL NUMBER OF OBSERVATIONS 279

DATA PROCESSING DIVISION  
 FTAC/USAF  
 AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

62218  
 STATION

TAI-CHUNG TAIWAN/CHING CHUAN KANG  
 STATION NAME

69-71  
 YEARS

JEP  
 MONTH

ALL WEATHER  
 CLASS

0000-0200  
 HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.9	.7	1.1	.7	1.1						.4	5.9	13.3
NNE	.7	1.9	3.7	2.2	2.6							11.1	11.2
NE	1.1		.4	.4								1.9	6.4
ENE	.7	.7										1.9	3.3
E	2.2	.7										3.0	2.6
ESE	1.9											1.9	1.8
SE	2.6	.7										3.3	2.4
SSE	5.2	1.5										6.7	2.4
S	10.0	15.9	4.1	.4								30.4	4.6
SSW	1.9	.7										2.6	2.9
SW	1.1	.4										1.9	2.8
WSW		.7	.4									1.1	5.3
W	.4			.4								.7	7.5
WNW	.4			.4	.4	.4	.7					2.2	19.5
NW	.4	.4									.4	1.1	25.3
NNW		.7									.4	1.1	30.7
VARBL	1.9	.4	.7	.4								3.0	5.4
CALM												21.9	
	31.5	25.6	10.4	4.8	4.1	.4	.7				1.1	100.0	5.4

TOTAL NUMBER OF OBSERVATIONS 270

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

42218 STATION TAI-CHUNG TAIWAN/CHING CHUAN KANG 69-71 YEARS JFP  
STATION NAME MONTH  
ALL WEATHER CLASS 0300-0500  
CONDITION HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.9	.4		.7	1.9	.4		.4				5.6	13.1
NNE	1.9	1.5	3.3	2.2	1.9							10.7	9.8
NE	.7	.4	.4									1.5	4.5
ENE	3.7	1.9										5.6	3.1
E	3.7	.4										4.1	2.3
ESE	1.1	.4										1.5	2.3
SE	2.2	.4										2.5	2.3
SSE	7.0	3.0		.4								10.4	3.3
S	10.0	12.2	3.7									25.9	4.2
SSW	1.5	1.5										3.0	3.4
SW	.4											.4	2.0
WSW					.4							.4	17.0
W					.4							.4	18.0
WNW					1.1	.4						1.5	19.3
NW													
NNW	.7									.4		1.1	19.3
VARBL	2.2	.4										2.6	2.1
CALM												23.0	
	37.0	22.2	7.4	3.3	3.9	.7		.4		.4		100.0	4.4

TOTAL NUMBER OF OBSERVATIONS 270



DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

42218  
STATION

TAI-CHUNG TAIWAN/CHING CHUAN KANG  
STATION NAME

69-71  
YEARS

SEP  
MONTH

ALL WEATHER  
CLASS

0600-0800  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.9	2.6	1.9		1.9	1.1						9.3	9.8
NNE	1.9	2.2	2.2	2.6	1.9							10.0	9.6
NE	.7	1.9		.4								3.0	5.3
ENE	4.4	1.9										5.9	2.8
E	4.1	.4										4.4	2.1
ESE	.4											.4	1.0
SE	4.4	.4		.4								5.2	3.0
SSE	5.2	5.6		1.1								11.9	4.4
S	7.8	10.7	3.0	.4								21.9	4.7
SSW			.4									.4	9.0
SW	.4											.4	2.0
WSW	.4					.4						.7	12.3
W				.4								.4	16.0
WNW					.7							.7	18.0
NW	.4		.4									.7	4.3
NNW	1.9											1.9	2.3
VARBL	2.6				.4	.4						3.3	6.8
CALM												20.0	
	35.0	25.2	7.8	5.2	4.4	1.9						100.0	4.6

TOTAL NUMBER OF OBSERVATIONS

270

DATA PROCESSING DIVISION  
 FTAC/USAF  
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
 DIRECTION AND SPEED  
 (FROM HOURLY OBSERVATIONS)

SURFACE WINDS

42218      TAI-CHUNG TAIWAN/CHING CHUAN KANG      69-71      SEP  
STATION      STATION NAME      YEARS      MONTH  
 ALL WEATHER  
CLASS  
 CONDITION

0700-1100  
HOURS (L & T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.5	3.3	2.2	.4	1.9	.7						10.0	9.8
NNE	1.1	1.5	2.6	1.9	1.5	.4						8.9	11.1
NE	.4	1.1	.4		.7							2.6	9.0
ENE			.4									.4	9.0
E	.7											.7	2.5
ESE	.4											.4	3.0
SE		.4										.4	4.0
SSE	1.5	1.9	2.2									5.6	5.3
S	1.1	4.4	3.3	1.9	1.1		.4	.4				12.6	9.9
SSW	.4	1.1	1.1									2.6	6.7
SW	.7	1.1	1.9	.4			.4					4.4	9.2
WSW	.4	.7	1.1									2.2	6.8
W	1.9	1.9	.4	.4	.4							4.8	5.7
WNW	1.9	1.5	1.1	.4								4.8	5.3
NW	.7	1.9	1.1									3.7	5.3
NNW	.4	2.7	4.1									8.1	6.0
VARBL	12.0	8.1	.7	1.5								23.3	4.1
CALM												4.4	
	25.4	32.0	22.6	6.7	5.0	1.1	.7	.4				100.0	6.7

TOTAL NUMBER OF OBSERVATIONS      270

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

42218  
STATION

TAI-CHUNG TAIWAN/CHING CHUAN KANG  
STATION NAME

69-71  
YEARS

ALL WEATHER  
CLASS

CONDITION

SEP  
MONTH  
1200-1400  
HOURS (LST)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.4	4.1	7.0	4.4		1.1	1.5					14.4	11.1
NNE		.4	1.9	4.4	.7	.4						7.8	13.2
NE													
ENE			.4	.4								.7	10.0
E													
ESE													
SE													
SSE		.4	1.1									1.5	7.3
S	.7		2.2	2.2	.4	.4	.4	.4				4.7	13.6
SSW		.4	.7	1.1	.4	.4						3.0	13.1
SW			.7									.7	7.0
WSW	.4	1.5	2.2	.7								4.8	8.2
W	.4	2.2	4.4	1.5								8.3	8.2
WNW	.4	1.5	2.2									4.1	6.8
NW	.4	6.3	10.0	.7								17.4	7.1
NNW	.7	4.4	10.0	1.5								16.7	7.8
VARBL	1.5	4.1	1.9	1.5	.7							8.6	7.3
CALM												.0	
	4.8	25.2	44.8	18.5	2.2	2.2	1.9	.4				100.0	9.3

TOTAL NUMBER OF OBSERVATIONS 270

2

DATA PROCESSING DIVISION  
 FTAC/USAF  
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
 DIRECTION AND SPEED  
 (FROM HOURLY OBSERVATIONS)

## SURFACE WINDS

42216  
 STATION

TAI-CHUNG TAIWAN/CHING CHUAN KANG  
 STATION NAME

69-71  
 YEARS

SEP  
 MONTH

ALL WEATHER  
 CLASS

1500-1700  
 HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.4	8.9	15.2	6.7	1.1	.4	1.1	1.1				34.8	10.5
NNE	.4	1.1	2.2	4.1	1.1							8.9	11.8
NE			.4									.4	10.0
ENE													
E	.4											.4	1.0
ESE		.4										.4	4.0
SE													
SSE	.4	.7										1.1	3.7
S	.7	.4	2.6	3.3	1.5							8.5	11.5
SSW		.7	1.5									2.2	7.3
SW		.7	.7		.4							1.9	8.8
WSW		.7	1.1									1.9	7.4
W	.4	3.0	3.7	.4								7.4	7.4
WNW		1.1	1.1									2.2	6.7
NW	.4	2.2	3.7									6.3	6.8
NNW	.4	5.9	10.7	.7								17.8	7.1
VARBL		1.5	.7	2.2	1.1							5.6	11.3
CALM												.4	
	3.3	27.4	43.7	17.4	5.2	.4	1.1	1.1				100.0	9.2

TOTAL NUMBER OF OBSERVATIONS

270

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

## SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

42216  
STATION

TAI-CHUNG TAIWAN/CHING CHUAN KANG  
STATION NAME

69-71  
YEARS

SEP  
MONTH

ALL WEATHER  
CLASS

1800-2000  
HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	8.5	11.1	7.4	1.9	1.1	.7		1.1	.7	.4		33.0	8.8
NNE	2.6	4.4	2.6	4.4	1.5	.4						15.9	9.1
NE	.7		.4									1.1	4.3
ENE	.4	.4										.7	3.5
E	.4											.4	2.0
ESE													
SE	.4	.4										.7	3.0
SSE	2.2	3.3	.4									5.9	3.9
S	2.6	6.2	3.0	1.5								13.3	6.2
SSW		.7	1.1									1.8	4.0
SW	.4		.7									1.1	2.0
WSW	.7	.4		.4								1.5	3.0
W	1.1	.7										1.8	3.0
WNW	.4	1.1										1.5	4.3
NW	3.3	1.5	.7									5.6	3.6
NNW	3.0	2.6	.7				.4					6.7	3.3
VARBL	2.6	.7	.7	.7	.4							6.7	6.7
CALM												3.9	
	29.8	33.7	17.8	8.9	3.0	1.1	.4	1.1	.7	.4		100.0	6.8

TOTAL NUMBER OF OBSERVATIONS

270

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

62219  
STATION

TAI-CHUNG TAI-AN/CHING CHUAN KANG  
STATION NAME

69-71  
YEARS

SEP  
MONTH

ALL WEATHER  
CLASS

2100-2300  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	6.3	2.2		.7	.4	.7	.4				1.1	11.9	12.3
NNE	4.1	2.0	4.8	4.4	3.0							19.3	9.5
NE	.7	1.9	.4									3.0	4.9
ENE	1.1											1.1	3.0
E	3.0	1.5										4.4	2.8
ESE	.4											.4	1.0
SE	2.2											2.2	2.2
SSE	3.7	.7										4.4	2.4
S	4.8	9.3	3.7	1.9								19.6	5.5
SSW	.7	1.1										1.9	3.6
SW	.4	.7										1.1	3.7
WSW													
W	.7	.4										1.1	2.3
WNW	.4	.7		.7								1.9	7.4
NW	.7			.4								1.1	5.3
NNW	1.9	.7				.4	.7					3.7	9.8
VARBL	3.3		1.1	.4	.7							5.6	6.7
CALM												17.4	
	34.4	22.2	10.0	8.5	4.1	1.1	1.1				1.1	100.0	5.9

TOTAL NUMBER OF OBSERVATIONS

270

DATA PROCESSING DIVISION  
 JTAC/USAF  
 AIR WEATHER SERVICE/JAC

PERCENTAGE FREQUENCY OF WIND  
 DIRECTION AND SPEED  
 (FROM HOURLY OBSERVATIONS)

SURFACE WINDS

42213 STATION TAI-CHUNG TAIWAN/CHING CHUAN KANG 69-71 YEARS MONTH 0000-0200  
 CLASS ALL WEATHER  
 CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	0.0	4.3	3.2	1.8	.4	1.1	.7	.4				18.4	8.1
NNE	4.3	10.8	16.5	9.0	2.4	1.1	.7					44.4	9.4
NE	1.1	1.4	.4									2.9	4.1
ENE	1.1	.4	.4									1.8	3.8
E	.4	.4										.7	3.0
ESE	1.8											1.8	2.2
SE	1.1											1.1	2.0
SSE	1.4											1.4	2.8
S	3.4	1.8	.4									7.5	2.9
SSW	1.4	.4										1.8	2.4
SW	.7											.7	1.5
WSW													
W	.4	.4										.7	3.5
WNW													
NW													
NNW	1.1											1.1	2.0
VARBL	1.4	.4	.7	.4								2.9	5.4
CALM												12.5	
	28.3	20.1	21.5	11.1	2.3	2.2	1.4	.4				100.0	6.5

TOTAL NUMBER OF OBSERVATIONS 79

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 42210 STATION NAME TAI-CHUNG TAIWAN/CHING CHUAN, KANG YEARS 49-71 CT 01  
CLASS ALL WEATHER MONTH 0300-0500  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	4.3	1.9	3.2		.7	.4		.7				17.2	7.1
NNE	4.3	9.0	17.2	12.2	1.4	2.2	.4					46.6	9.7
NE	1.4	.4	.4									2.2	3.3
ENE	1.1	.7	.7									2.8	4.3
E	.4											.4	3.0
ESE													
SE													
SSE	1.0	.7										2.5	2.6
S	5.0	2.9										7.9	3.0
SSW	.7	.4										1.1	3.0
SW	.4	.4										.7	3.5
WSW													
W													
WNW		.4										.4	4.0
NW	.7											.7	1.5
NNW	.4											.4	1.0
VARBL	1.8		.4									2.2	3.5
CALM												15.4	
	22.2	22.0	21.9	12.2	2.2	2.3	.4	.7				100.0	6.4

TOTAL NUMBER OF OBSERVATIONS 279



DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

42218 STATION TAI-CHUNG TAIWAN/CHING CHUAN KANG 69-71 YEARS MONTH OCT  
CLASS ALL WEATHER HOURS (L.S.T.) 0600-0800

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	3.2	4.3	5.0	2.2	.4	1.4	.4					16.4	8.8
NNE	2.4	8.6	16.5	14.7	2.2	1.8	.4					47.0	10.3
NE	1.8	1.4	.4									3.6	4.0
ENE	1.1	1.4										2.5	4.0
E	1.8	.4										2.2	2.3
ESE	1.1											1.1	2.3
SE	1.4											1.4	1.5
SSE	2.2	.7										3.2	2.4
S	1.4	1.8										3.2	3.3
SSW	.7											.7	2.0
SW													
WSW	.4											.4	1.0
W													
WNW													
NW													
NNW			.4									.4	7.0
VARBL	.7	.4		.7								1.8	6.2
CALM												19.8	
	19.0	19.0	22.2	17.6	2.2	3.2	.7					100.0	7.0

TOTAL NUMBER OF OBSERVATIONS 279

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

4221P TAI-CHUNG TAIWAN/CHING CHUAN KANG 69-71  
STATION STATION NAME YEARS  
ALL WEATHER  
CLASS  
CONDITION  
MONTH 0900-1100  
HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.8	6.8	8.6	3.2	.7	1.8	1.1					24.0	10.2
NNE	.7	2.5	11.8	18.6	2.9	.7		.4				37.4	12.0
NE	1.4	1.8	1.4	.4								5.0	5.9
ENE													
E	.7	.7										1.4	3.5
ESE													
SE													
SSE	.7	.7										1.4	3.0
S	2.2	.7	.7									3.6	4.0
SSW	.4	.4										.7	3.0
SW													
WSW													
W	1.1											1.1	2.0
WNW	.7											.7	3.0
NW	1.1	.7										1.8	2.8
NNW	1.4	2.2	1.1	.4								5.0	5.4
VARBL	6.5	5.0	1.4	2.2								15.1	5.1
CALM												2.5	
	18.6	21.5	25.1	24.7	3.6	2.5	1.1	.4				100.0	8.7

TOTAL NUMBER OF OBSERVATIONS 279

DATA PROCESSING DIVISION  
 FTAC/USAF  
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
 DIRECTION AND SPEED  
 (FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 4221R STATION NAME TAI-CHUNG TAIWAN/CHING CHUAN KANG YEARS 49-71 MONTH CT  
 CLASS ALL WEATHER HOURS (L.S.T.) 1200-1400  
 CONDITION \_\_\_\_\_

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.4	4.7	16.1	11.5	1.1	2.2						35.8	10.7
NNE		.7	4.3	17.9	4.7	1.4	1.1	.7				30.8	15.1
NE			.4									.4	7.0
ENE													
E													
ESE													
SE													
SSE	.4											.4	2.0
S	.4	.7	.4									1.4	4.5
SSW	.4		.4									.7	6.0
SW		.4	.4									.7	7.0
WSW			.4									.4	10.0
W		.4	.7									1.1	6.3
WNW	.7	.4	.7									1.8	5.6
NW	.4	1.4	.4									2.2	5.3
NNW		4.7	6.1	.4								11.1	7.1
VARBL	2.2	7.2	2.2	1.4								12.9	5.9
CALM												.4	
	4.7	20.4	32.3	31.2	2.7	3.6	1.1	.7				100.0	10.6

TOTAL NUMBER OF OBSERVATIONS 279

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

4221R TAI-CHUNG TAIWAN/CHING CHUAN KANG 69-71  
STATION STATION NAME YEARS  
ALL WEATHER  
CLASS  
CONDITION  
1 CT  
MONTH  
1500-1700  
HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.1	6.1	23.3	14.3	1.4	1.1	1.1					48.4	10.3
NNE		.7	6.5	14.0	5.4	1.4	.4	1.1				29.4	14.8
NE		.7		.4								1.1	8.7
ENE													
E			.4									.4	9.0
ESE													
SE													
SSE													
S		.4										.4	6.0
SSW													
SW													
WSW		.4										.4	4.0
W		.7	.4									1.1	6.3
WNW	.7	1.8										2.9	4.3
NW		1.8	.4									2.2	5.2
NNW	1.4	3.9	2.2	.4								7.9	6.0
VARBL	.7	2.9	1.1	1.8								6.5	7.3
CALM												.0	
	3.9	19.4	34.1	30.8	6.8	2.5	1.4	1.1				100.0	10.8

TOTAL NUMBER OF OBSERVATIONS 279

DATA PROCESSING DIVISION  
 FTAC/USAF  
 AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

42218  
 STATION

TAI-CHUNG TAIWAN/CHING CHUAN KANG  
 STATION NAME

60-71  
 YEARS

JCT  
 MONTH

ALL WEATHER  
 CLASS

1800-2000  
 HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	5.4	4.0	15.1	3.6		.4	1.4					34.8	8.0
NNE	.7	7.2	17.2	15.4	1.8	2.2	.7		1.1			46.2	11.6
NE	.4											.4	3.0
ENE	.4	.4										.7	2.3
E	.7											.7	1.5
ESE	.4											.4	2.0
SE													
SSE													
S	.4	1.1										1.4	4.0
SSW													
SW													
WSW													
W													
WNW	.4											.4	3.0
NW	.4											.4	2.0
NNW	1.8	1.4										3.2	2.7
VARBL		1.1	.4	1.4	.4							3.2	11.2
CALM												8.2	
	10.8	20.1	32.6	20.4	2.2	2.5	2.2		1.1			100.0	8.7

TOTAL NUMBER OF OBSERVATIONS

279

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

4221° STATION TAI-CHUNG TAIWAN/CHING CHUAN KANG 69-71 YEARS OCT NORTH 2100-2300 HOURS (L.S.T.)

ALL WEATHER

CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	7.2	7.2	5.4	1.8		.7						22.2	6.1
NNE	3.9	10.4	18.3	11.8	2.9	2.2	1.1	.4				50.4	10.3
NE	.7	.7	.4									1.4	5.0
ENE	.4											.4	1.0
E	.4		.4									.7	4.5
ESE	.4											.4	3.0
SE													
SSE	1.1											1.1	2.0
S	1.8											1.8	2.0
SSW													
SW		.4										.4	4.0
WSW													
W	.7	.4										1.1	3.0
WNW	.7											.7	3.0
NW													
NNW	1.4	.4										1.8	2.4
VARBL	1.8		.4	1.1								3.2	6.3
CALM												13.6	
	20.4	19.4	24.7	14.7	2.9	2.9	1.1	.4				100.0	7.1

TOTAL NUMBER OF OBSERVATIONS 279

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

42215  
STATION

TAI-CHUNG TAIWAN/CHING CHUAN KANG  
STATION NAME

69-71  
YEARS

NDV  
MONTH

ALL WEATHER  
CLASS

0000-0200  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	7.4	3.2	4.8	1.5	.4							19.3	5.8
NNE	5.2	10.4	16.3	13.3	5.9	1.1						51.9	9.8
NE	.4	.7	.7	.4	.4							2.6	9.0
ENE	.4											.4	3.0
E	.7											.7	2.0
ESE													
SE	.4											.4	3.0
SSE	.7											.7	2.0
S	1.1	3.0										4.1	4.0
SSW	.7											.7	2.0
SW	.4											.4	2.0
WSW	1.1											1.1	1.7
W	.4											.4	2.0
WNW													
NW	.4											.4	3.0
NNW	.4											.4	1.0
VARBL	2.2	.4	.7	3.0	1.3							7.8	11.0
CALM												8.9	
	21.4	19.6	22.6	18.1	7.8	1.1						100.0	7.6

TOTAL NUMBER OF OBSERVATIONS

270

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

42215  
STATION

TAI-CHUNG TAINA./CHING CHUAN KANG  
STATION NAME

67-71  
YEARS

ALL WEATHER  
CLASS

CONDITION

0300-0500  
HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	8.4	4.1	2.6	3.0	.4							18.9	5.7
NNE	3.7	8.5	18.9	13.0	6.3	.7						51.1	10.1
NE	1.4	1.1	1.1	.4								4.4	4.9
ENE	.7											.7	1.5
E	.4											.4	1.0
ESE	.7											.7	2.0
SE	.4	.4										.7	3.0
SSE	2.2											2.2	1.8
S	1.5	.4										1.9	3.0
SSW													
SW	.4											.4	3.0
WSW													
W	.4	.4										.7	3.0
WNW	.4											.4	1.0
NW	.4											.4	2.0
NNW	1.9											1.9	2.0
VARBL	1.1	.4		2.6	2.2							6.3	13.0
CALM												8.9	
	24.8	15.2	22.6	18.9	8.4	.7						100.0	7.5

TOTAL NUMBER OF OBSERVATIONS 270



DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

4221R  
STATION

TAI-CHUNG TAIWAN/CHING CHUAN KANG  
STATION NAME

69-71  
YEARS

IV  
MONTH

0600-0800  
HOURS (L.S.T.)

ALL WEATHER  
CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	4.4	4.4	1.9	1.5	.7							13.0	6.2
NNE	5.2	11.9	17.4	11.9	5.0	1.9						53.7	9.8
NE	1.5	2.2	.7	.4								4.8	3.2
ENE	1.1	.4	.4									1.9	4.4
E	3.3	1.1										4.4	2.8
ESE	.7											.7	2.0
SE	1.1											1.1	2.3
SSE													
S	1.1											1.1	2.0
SSW	.4											.4	1.0
SW													
WSW													
W	.4											.4	1.0
WNW													
NW	.7											.7	2.5
NNW	1.1											1.1	2.0
VARBL	1.9	.4		6.3	2.2							10.4	12.3
CALM												6.3	
	22.6	20.4	20.4	20.0	8.3	1.9						100.0	7.9

TOTAL NUMBER OF OBSERVATIONS

270

DATA PROCESSING DIVISION  
 HTAC/USAF  
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
 DIRECTION AND SPEED  
 (FROM HOURLY OBSERVATIONS)

SURFACE WINDS

42218 STATION TAI-CHUNG TAIWAN/CHING CHUAN KANG 69-71 MONTH NOV  
 STATION NAME YEARS  
 ALL WEATHER CLASS  
 CONDITION  
 0900-1100 HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		2.2	8.5	3.0	.7							14.4	9.3
NNE		6.7	15.6	19.6	7.8	.7						50.4	11.8
NE		1.5	.7	.4	.4							3.0	8.9
ENE		.4				.4						.7	14.0
E	.7											.7	2.5
ESE													
SE		.4										.4	5.0
SSE	1.1											1.1	1.7
S	1.1	1.1										2.2	3.7
SSW	.7											.7	2.5
SW													
WSW													
W		.7										.7	5.5
WNW		.4	.4									.7	6.0
NW	.4	.7										1.1	4.7
NNW		.7	.7									1.5	6.8
VARBL	6.3	3.7	1.5	6.7	1.1	1.9						21.1	9.5
CALM												1.1	
	10.4	16.3	27.4	29.6	10.0	3.0						100.0	10.0

TOTAL NUMBER OF OBSERVATIONS 270

2

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

42213 TAI-CHUNG TAIWAN/CHING CHUAN KANG 69-71  
STATION STATION NAME YEARS  
ALL WEATHER  
CLASS  
CONDITION  
MONTH  
1200-1400  
HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		3.3	14.8	11.1	.7	.4						30.4	10.7
NNE		.4	8.1	18.1	8.1	4.1						38.9	14.6
NE	.4											.4	2.0
ENE													
E													
ESE													
SE													
SSE													
S													
SSW													
SW													
WSW													
W		.4	.4									.7	6.5
WNW		1.1	.4									1.5	5.8
NW		2.2	1.1									3.3	6.8
NNW		.7	4.8	.7								6.3	8.8
VARBL	2.2	4.4	2.2	6.7	1.9	1.5						18.5	10.7
CALM												.0	
	2.6	12.6	31.9	36.7	10.4	3.9						100.0	11.8

TOTAL NUMBER OF OBSERVATIONS

270

DATA PROCESSING DIVISION  
 AFAC/USAF  
 AIR WEATHER SERVICE/AFAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

42218 STATION NAME TAI-CHUNG TAIWAN/CHING CHUAN KANG 69-71 YEARS MONTH 1500-1700 HOURS (L.S.T.)

ALL WEATHER CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		4.4	25.9	13.7	1.1							45.2	9.9
NNE		.7	6.3	19.6	8.3	2.7						38.9	14.7
NE													
ENE													
E													
ESE													
SE													
SSE		.4										.4	4.0
S													
SSW													
SW													
WSW													
W		.7										.7	4.0
WNW		.7										.7	6.0
NW		1.1	1.1									2.2	6.3
NNW		1.5	.7									2.2	6.2
VARBL	.4	.7	1.1	4.8	2.0							9.6	13.5
CALM												.0	
	.4	10.4	35.2	38.1	12.4	2.7						100.0	11.9

TOTAL NUMBER OF OBSERVATIONS 270

DATA PROCESSING DIVISION  
 FTAC/USAF  
 AIR WEATHER SERVICE/FTAC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
 DIRECTION AND SPEED  
 (FROM HOURLY OBSERVATIONS)

42215	TAI-CHUNG TAIWAN/CHING CHUAN KANG	69-71	NOV
STATION	STATION NAME	YEARS	MONTH
	ALL WEATHER		1800-2000
	CLASS		HOURS (LST)
	CONDITION		

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	4.8	10.7	16.3	5.6		.7						32.1	7.5
NNE	2.6	4.4	15.9	17.0	7.8	1.5						49.3	11.6
NE		.4										.4	5.0
ENE	.4											.4	3.2
E													
ESE	.4											.4	2.0
SE													
SSE													
S	.7	.4										1.1	2.7
SSW													
SW													
WSW													
W													
WNW													
NW	.4	.4										.7	3.0
NNW	.7											.7	2.5
VARBL	.7		.7	4.1	1.1							6.7	12.9
CALM												2.2	
	14.7	16.2	32.0	26.7	8.9	2.2						100.0	9.6

TOTAL NUMBER OF OBSERVATIONS 270

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/ALC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

4221 STATION 4221 TAI-CHUNG TAIWAN/CHING GUAN KANG 69-71 YEARS MONTH 2100-2300 HOURS (LST)

CLASS ALL WEATHER

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	4.4	7.4	9.6	1.2								23.3	4.4
NNE	3.7	9.6	18.2	12.0	2.6	.7						30.7	10.1
NE	.7	1.1	.4	.7		.4						3.3	1.3
ENE													
E	.7											.7	2.0
ESE	.4											.4	2.0
SE													
SSE	.7	1.1										1.9	3.4
S		1.9										1.9	5.2
SSW													
SW													
WSW		.4										.4	4.3
W													
WNW													
NW	.4											.4	2.0
NNW	1.1											1.1	2.7
VARBL	1.1		1.5	2.2	2.2	1.1						8.1	14.1
CALM												7.8	
	13.3	21.5	30.0	17.8	7.4	2.2						100.0	8.3

TOTAL NUMBER OF OBSERVATIONS 270

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/HAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

42218 STATION TAI-CHUNG TAI-AN/CHING CHUAN KANG 69-71 YEARS MONTH DEC  
STATION NAME CLASS ALL WEATHER HOURS (LST) 0000-0200

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.5	6.5	5.4	2.2								16.7	6.4
NNE	1.1	8.0	15.6	13.8	4.0	2.9						45.3	11.1
NE	.4	1.8	1.1		.4							3.6	6.5
ENE													
E	1.8	.4										2.2	2.8
ESE													
SE													
SSE	2.2	.4										2.5	2.7
S	2.2	1.8										4.0	3.5
SSW	.7	.7	.4									1.8	4.8
SW													
WSW													
W	.4											.4	3.0
WNW	.4											.4	2.0
NW	.7	.4										1.1	2.7
NNW	1.4	.4										1.8	2.8
VARBL	2.9	1.1	2.5	1.1								7.6	6.8
CALM												12.7	
	16.7	21.4	25.0	17.0	4.3	2.9						100.0	7.3

TOTAL NUMBER OF OBSERVATIONS 276

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

42218 STATION TAI-CHUNG TAIWAN/CHING CHUAN KANG 69-71 YEARS JFC  
STATION NAME ALL WEATHER MONTH NORTH  
CLASS 0300-0500  
CONDITION HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	3.6	7.0	5.1	3.3	.4							19.9	6.7
NNE	2.9	9.8	9.8	15.2	2.2	4.3						44.2	11.1
NE	1.4	1.4	1.4									4.3	5.0
ENE	1.1	1.1										2.2	3.8
E	.4	.4										.7	3.0
ESE	.4											.4	1.0
SE	.7											.7	3.0
SSE	.7	.4										1.1	4.0
S	1.4	.4										1.8	2.6
SSW	.4	.4										.7	3.0
SW	.4											.4	2.0
WSW	.4											.4	3.0
W	.7											.7	2.0
WNW	.4	.4										.7	3.0
NW													
NNW	1.1	.7	.4									2.2	3.7
VARBL	3.3	1.4	1.1	1.8								7.6	6.0
CALM												12.0	
	19.2	23.9	17.8	20.3	2.2	4.3						100.0	7.3

TOTAL NUMBER OF OBSERVATIONS 276



DATA PROCESSING DIVISION  
 AFAC/USAF  
 AIR WEATHER SERVICE/AFAC

PERCENTAGE FREQUENCY OF WIND  
 DIRECTION AND SPEED  
 (FROM HOURLY OBSERVATIONS)

SURFACE WINDS

4221<sup>0</sup> STATION TAI-CHUNG TAIWAN/CHING CHUAN KANG 69-71 YEARS SEC MONTH 0600-0800 HOURS (L.S.T.)

ALL WEATHER CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.8	7.7	8.4	3.3								21.2	7.5
NNE	3.3	8.8	12.8	12.5	3.7	5.1						46.2	11.2
NE	1.8	.7	.7	.4								3.7	5.1
ENE	.7	.4										1.1	3.3
E	1.1	.4	.4									1.8	3.6
ESE													
SE													
SSE	.7	.4										1.1	2.7
S			.4									.4	8.0
SSW													
SW													
WSW													
W		.7										.7	4.0
WNW		.4										.4	6.0
NW	.4	.7										1.1	4.0
NNW	1.1	1.1										2.2	3.2
VARBL	2.2	1.8	.7	2.6	.4							7.7	7.9
CALM												12.5	
	13.2	23.1	23.4	18.7	4.0	5.1						100.0	7.9

TOTAL NUMBER OF OBSERVATIONS 273

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

42218 STATION TAI-CHUNG TAIWAN/CHING CHUAN KANG 67-71 YEARS DEC MONTH 0900-1100 HOURS (L.S.T.)

ALL WEATHER CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.1	4.8	9.5	5.9	1.1							22.3	9.0
NNE	.7	2.6	11.4	17.6	5.1	2.9	1.1					41.4	13.2
NE		1.5	.4	.4								2.7	7.5
ENE	.7	1.1										1.8	3.6
E	1.1		.4									1.5	4.3
ESE		.7	.4									1.1	5.0
SE	1.1											1.1	1.3
SSE	.4											.4	1.0
S													
SSW		.4										.4	5.0
SW													
WSW													
W													
WNW		.7										.7	5.0
NW	.7	.4	.4									1.5	4.0
NNW	.7	1.1	.7									2.8	5.1
VARBL	4.0	4.4	4.8	4.0								17.2	7.5
CALM												5.9	
	10.8	17.6	27.8	27.8	6.2	2.9	1.1					100.0	9.4

TOTAL NUMBER OF OBSERVATIONS 273

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/MAF

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

42218  
STATION

TAI-CHUNG TAIWAN/CHING CHUAN KANG  
STATION NAME

69-71  
YEARS

DEC  
MONTH

ALL WEATHER  
CLASS

1200-1400  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.4	3.3	13.6	16.1	2.6	.4						36.3	11.4
NNE		.4	4.0	14.3	4.0	3.3	1.1					27.1	15.6
NE	.4	.4	.4		.7							1.8	11.2
ENE		.7	.4									1.1	6.0
E													
ESE													
SE													
SSE	.7											.7	2.0
S													
SSW													
SW													
WSW		.4										.4	4.0
W	.7											.7	2.5
WNW		1.5										1.5	5.0
NW	.4	.7										1.1	4.3
NNW		1.8	2.9	1.1								5.8	8.2
VARBL	2.4	5.5	6.6	6.6	1.1							22.7	8.6
CALM												.7	
	3.3	14.7	27.8	38.1	4.4	3.7	1.1					100.0	11.3

TOTAL NUMBER OF OBSERVATIONS 273

DATA PROCESSING DIVISION  
 FTAC/USAF  
 AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

42215	TAI-CHUNG TAIWAN/CHING CHUAN KANG	69-71	DEC
STATION	STATION NAME	YEARS	MONTH
ALL WEATHER			1500-1700
CLASS			HOURS (L.S.T.)
CONDITION			

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.1	4.0	19.0	13.9	1.0	.4						40.3	10.2
NNE		1.5	9.2	17.9	3.3	3.7	.7					36.3	13.9
NE	.4	.4			.4							1.1	8.7
ENE													
E													
ESE													
SE													
SSE													
S													
SSW													
SW													
WSW													
W													
WNW	.4	.7										1.1	4.0
NW	.4	1.5	.4									2.2	4.5
NNW	.4	2.6	1.5	.4								4.8	6.2
VARBL	.7	2.6	3.7	6.2	.7							13.9	10.3
CALM												.4	
	2.2	13.2	32.7	38.5	6.2	4.0	.7					100.0	11.1

TOTAL NUMBER OF OBSERVATIONS 273

2

DATA PROCESSING DIVISION  
 ETAC/USAF  
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
 DIRECTION AND SPEED  
 (FROM HOURLY OBSERVATIONS)

## SURFACE WINDS

42215  
 STATION

TAI-CHUNG TAIWAN/CHING CHUAN KANG  
 STATION NAME

69-71  
 YEARS

JFC  
 MONTH

ALL WEATHER  
 CLASS

1800-2000  
 HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	4.0	10.3	15.0	6.6	.7							36.6	7.9
NNE	2.0	7.7	11.7	12.0	4.4	2.0	.7					44.7	11.6
NE	1.3	.7	.4									2.6	3.9
ENE	.4											.4	2.0
E													
ESE													
SE													
SSE	.4											.4	1.0
S													
SSW													
SW													
WSW													
W													
WNW													
NW	.7											.7	2.5
NNW	1.8	.4										2.2	3.2
VARBL		1.1	3.3	3.3	.7							8.4	10.7
CALM												4.0	
	11.4	20.1	30.4	24.9	5.9	2.6	.7					100.0	9.2

TOTAL NUMBER OF OBSERVATIONS

273

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

## SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

42218  
STATION

TAI-CHUNG TAIWAN/CHING CHUAN KANG  
STATION NAME

69-71  
YEARS

SEC  
MONTH

2100-2300  
HOURS (L.S.T.)

ALL WEATHER  
CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	5.1	5.1	7.7	4.0								22.1	7.0
NNE	1.8	6.6	16.5	13.6	2.6	3.7						44.9	11.1
NE	.4	1.5		.4	.4	.4						2.9	9.1
ENE	.4	.4										.7	3.5
E	.4											.4	1.0
ESE	.4											.4	3.0
SE	.7											.7	1.5
SSE	1.1	.4										1.5	2.8
S	.4	.7										1.1	3.3
SSW	.4											.4	1.0
SW													
WSW	.4	.4										.7	3.0
W													
WNW													
NW													
NNW	1.1	.4	.4									1.8	3.6
VARBL	2.9	2.2	2.6	2.9	.4							11.0	7.9
CALM												11.4	
	13.4	17.6	27.2	21.0	3.3	4.0						100.0	7.9

TOTAL NUMBER OF OBSERVATIONS

272

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

42218  
STATION

TAI-CHUNG TAIWAN/CHING CHUAN KANG  
STATION NAME

69-71  
YEARS

ALL  
MONTH

INSTRUMENT  
CLASS

CIG 200 TO 1400 FT W/ VSBY 1/2 MI OR MORE,  
CONDITION

AND/OR VSBY 1/2 TO 2-1/2 MI W/CIG 200 FT OR MORE

ALL  
HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	2.4	4.7	6.7	4.2	1.2	.7	.4	.2	.0	.0	.1	20.7	10.0
NNE	1.4	3.3	8.8	16.8	4.7	1.3	.3	.2	.1			36.9	12.5
NE	.7	.9	.7	.8	.1	.1						3.2	7.9
ENE	.5	.2	.1									.8	3.2
E	.9	.9	.1									1.3	3.0
ESE	.4	.1	.0	.0								.6	3.5
SE	.7	.2	.1	.0								1.1	3.5
SSE	2.0	1.1	.4	.1								3.7	4.1
S	3.2	3.6	2.6	.9	.1		.0	.0				10.8	5.9
SSW	.5	.4	.4	.1	.0	.0						1.4	5.8
SW	.3	.2	.1	.1	.0		.0					.8	6.2
WSW	.1	.1	.1	.1	.0	.0						.4	8.0
W	.4	.4	.2	.1	.0							1.1	5.3
WNW	.2	.2	.2	.1	.1	.0	.0					.9	8.4
NW	.4	.4	.2	.1							.0	1.1	6.8
NNW	.6	.4	1.0	.5	.0	.0	.1			.0	.0	3.2	8.2
VARBL	1.4	.4	.5	1.0	.5	.1						3.8	9.3
CALM												8.2	
	16.2	17.6	22.2	24.9	6.4	2.4	.9	.4	.1	.0	.1	100.0	8.9

TOTAL NUMBER OF OBSERVATIONS

5572

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE (MAC)  
ASHEVILLE, NORTH CAROLINA

## PART D CEILING VERSUS VISIBILITY

This summary is a bivariate percentage frequency distribution by classes of ceiling from zero to equal to or greater than 20,000 feet and as a separate class "no ceiling", versus visibility in 16 classes from zero to equal to or greater than 10 miles. Data are derived from hourly observations, and three sets of tables are presented as follows:

1. Annual - all years and all hours combined
2. By month - all years and all hours combined
3. By month - by standard 3-hour groups

Due to the cumulative nature of this presentation, it is possible to determine the percentage frequency of occurrence for any given limit of ceiling or visibility separately, or in combination of ceiling and visibility. The totals progress to the right and downward. Ceiling may be determined independently by referring to totals in the extreme right hand column. Also, visibility may be determined independently by reference to the horizontal row of totals at the bottom of the page. The percentage frequency for which the station was meeting or exceeding any given set of minima may be determined from the figure at the intersection of the appropriate ceiling column and visibility row. Several examples in the use of these tables are shown on pages 2 and 3 below.

U. S. Weather Bureau and Navy stations did not report ceilings within the range 10,000 feet and higher prior to January 1949. Summaries prepared from data for these stations using the earlier period and data subsequent to January 1949 will be modified to limit ceilings to 10,000 feet. Short periods of record prior to 1949 for these stations will be eliminated from the summary. For Air Force stations, the "no ceiling" category includes clear and scattered conditions, and ceilings above 20,000 feet for period through June 1948. Beginning in July 1948 for Air Force stations and January 1949 for USWB and U. S. Navy stations the "no ceiling" category consists of observations with less than 6/10 total sky cover and those cases where total sky cover is 6/10 or more, but not more than 1/2 of the sky cover is opaque.



EXAMPLES FOR USE OF CEILING VERSUS VISIBILITY TABLES IN THIS TABULATION

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	$\geq 10$	$\geq 6$	$\geq 5$	$\geq 4$	$\geq 3$	$\geq 2\frac{1}{2}$	$\geq 2$	$\geq 1\frac{1}{2}$	$\geq 1\frac{1}{4}$	$\geq 1$	$\geq \frac{3}{4}$	$\geq \frac{1}{2}$	$\geq \frac{1}{4}$	$\geq \frac{5}{16}$	$\geq 0$
NO CEILING															
1800															
1500					91.0										92.6
1200															
1000															
900															
800															
700															
600															
500										97.4					98.1
400															
300															
200															
100															
0					95.4		96.9			98.3					100.0

EXAMPLE # 1 Read ceiling values independently of visibility under column at right headed  $\geq 0$ .  
For instance, from the table: Ceiling  $\geq 1500$  feet = 92.6%.  
Ceiling  $\geq 500$  feet = 98.1%.

EXAMPLE # 2 Read visibilities independently of ceilings on bottom line opposite  $\geq 0$ . From the table:  
Visibility  $\geq 3$  miles = 95.4%.  
Visibility  $\geq 2$  miles = 96.9%.  
Visibility  $\geq 1$  mile = 98.3%.

EXAMPLE # 3 To obtain combinations of ceiling with visibility, read figure at intersection of the two categories; i.e.: Ceiling  $\geq 1500$  feet with visibility  $\geq 3$  miles = 91.0%.

#### ADDITIONAL EXAMPLES

**EXAMPLE # 4** Values below minimums stated in the table may be obtained by subtracting the value given in the table from 100%. Thus, to obtain the percentage of observations with ceiling < 1500 feet and/or visibility < 3 miles, subtract the value read from the table at the intersection, which is 91.0, from 100.0. The answer 9.0 is the percentage of observations with ceiling < 1500 feet and/or visibility < 3 miles.

Likewise, the percentage of observations with ceiling < 500 feet and/or visibility < 1 mile is 2.6, obtained by subtracting 97.4 from 100.0.

**EXAMPLE # 5** To find the percentage of observations falling within the two categories given in example above, subtract the value read from the table for the first set of limits from the value in the table for the second set of limits. The difference will be the percentage of observations meeting the lower set of limits, but not meeting the higher set of limits.

The value 91.0 read from the table at the intersection of  $\geq 1500$  feet with  $\geq 3$  miles, subtracted from 97.4 read from the table at the intersection of  $\geq 500$  feet with  $\geq 1$  mile is equal to 6.4%. Thus; 6.4 percent of the observations meet the criteria: "ceiling  $\geq 500$  feet with visibility  $\geq 1$  mile, but < 3 miles; or ceiling  $\geq 500$  feet, but < 1500 feet with visibility  $\geq 1$  mile."

Since these tabulations are prepared in several ways including by month, by 3-hour groups it is possible to determine diurnal variations of ceiling and visibility limits as well as probabilities of various ceiling-visibility combinations.

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/ETAC

# CEILING VERSUS VISIBILITY

42214 TAI-CHUNG TAIWAN/CHUNG GUAN KANG 69-71

ALL

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

ALL

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥.5	≥.25	≥.15	≥.1	≥.05	≥.025	≥.01
NO CEILING	25.9	33.1	36.6	38.9	40.0	40.9	41.2	41.4	41.6	41.7	41.7	41.8	41.9	42.0	42.3	42.3
≥ 20000	31.0	38.2	42.3	44.9	46.1	47.0	47.4	47.6	47.9	48.0	48.0	48.1	48.2	48.3	48.6	48.6
≥ 15000	31.0	38.3	42.3	45.0	46.2	47.1	47.5	47.7	48.0	48.1	48.1	48.2	48.3	48.4	48.7	48.7
≥ 12000	31.1	38.3	42.4	45.0	46.2	47.2	47.6	47.8	48.0	48.2	48.2	48.3	48.3	48.4	48.7	48.7
≥ 10000	31.6	39.0	43.2	45.8	47.0	48.0	48.4	48.6	48.9	49.0	49.0	49.1	49.2	49.3	49.6	49.6
≥ 9000	32.9	40.8	45.2	48.1	49.3	50.3	50.7	51.0	51.3	51.4	51.4	51.5	51.6	51.7	52.0	52.0
≥ 8000	37.1	46.4	51.3	54.6	56.1	57.2	57.7	58.0	58.3	58.4	58.5	58.6	58.6	58.7	59.1	59.1
≥ 7000	37.3	46.9	51.9	55.3	56.8	58.0	58.5	58.7	59.1	59.2	59.2	59.4	59.4	59.5	59.9	59.9
≥ 6000	42.2	52.8	58.6	62.9	64.8	66.3	66.9	67.3	67.7	67.9	67.9	68.0	68.1	68.2	68.6	68.6
≥ 5000	43.9	53.0	61.1	65.7	67.7	69.2	69.9	70.4	70.8	71.0	71.0	71.1	71.2	71.3	71.7	71.7
≥ 4500	44.3	53.8	62.0	66.7	68.7	70.3	71.0	71.4	71.8	72.0	72.0	72.2	72.3	72.4	72.8	72.8
≥ 4000	45.1	56.6	62.9	67.7	69.8	71.3	72.2	72.7	73.1	73.3	73.3	73.5	73.6	73.7	74.1	74.1
≥ 3500	45.3	56.8	63.2	68.0	70.1	71.8	72.5	73.0	73.4	73.6	73.6	73.8	73.9	74.0	74.4	74.4
≥ 3000	46.0	57.7	64.2	69.2	71.4	73.2	74.0	74.5	75.0	75.2	75.2	75.4	75.5	75.6	76.0	76.0
≥ 2500	46.4	58.3	64.9	69.9	72.2	74.0	74.8	75.3	75.8	76.1	76.1	76.3	76.3	76.5	76.8	76.8
≥ 2000	47.0	59.1	65.9	71.1	73.4	75.3	76.2	76.7	77.2	77.5	77.5	77.7	77.7	77.9	78.3	78.3
≥ 1800	48.0	60.5	67.5	72.9	75.4	77.3	78.2	78.8	79.3	79.6	79.6	79.8	79.9	80.0	80.4	80.4
≥ 1500	48.9	61.7	68.9	74.5	77.1	79.2	80.1	80.7	81.3	81.6	81.6	81.8	81.9	82.0	82.4	82.4
≥ 1200	49.0	61.8	69.0	74.7	77.3	79.3	80.3	80.9	81.3	81.7	81.7	82.0	82.0	82.2	82.6	82.6
≥ 1000	49.3	62.3	69.8	75.6	78.2	80.3	81.3	81.9	82.3	82.8	82.8	83.1	83.1	83.3	83.6	83.6
≥ 900	50.2	63.4	70.8	76.7	79.3	81.7	82.8	83.4	84.0	84.3	84.3	84.5	84.6	84.8	85.1	85.1
≥ 800	50.8	64.0	71.6	77.6	80.4	82.7	83.7	84.4	85.0	85.3	85.3	85.6	85.6	85.8	86.1	86.1
≥ 700	51.0	64.4	72.0	78.1	80.9	83.2	84.3	84.9	85.3	85.8	85.9	86.1	86.2	86.3	86.7	86.7
≥ 600	51.6	65.2	73.0	79.2	82.1	84.4	85.6	86.2	86.9	87.2	87.2	87.5	87.6	87.7	88.1	88.1
≥ 500	52.0	65.8	73.7	80.1	83.1	85.3	86.7	87.4	88.0	88.3	88.4	88.7	88.8	88.9	89.3	89.3
≥ 400	52.2	66.3	74.4	81.1	84.2	86.8	88.0	88.7	89.4	89.8	89.8	90.1	90.2	90.4	90.7	90.7
≥ 300	52.3	66.8	75.1	82.1	85.3	88.3	89.6	90.4	91.2	91.6	91.6	92.0	92.1	92.3	92.7	92.7
≥ 200	52.6	67.0	75.3	82.7	86.2	89.2	90.8	91.7	92.7	93.1	93.1	93.5	93.6	93.6	94.2	94.2
≥ 100	52.6	67.1	75.6	83.0	86.6	89.9	91.8	92.9	94.1	94.6	94.6	95.2	95.3	95.3	95.9	95.9
≥ 0	52.6	67.1	75.7	83.1	86.8	90.2	92.3	93.6	95.1	96.0	96.2	97.3	97.7	98.5	99.6	99.6
0	52.6	67.1	75.7	83.1	86.9	90.2	92.3	93.6	95.1	96.0	96.2	97.3	97.7	98.5	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 26228

ATA PROCESSING DIVISION  
SAF ETAL  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

4221A TAI-CHING TAIWAN/CHING CHUA, KANG 69-71

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

CEILING FEET	VISIBILITY, STATUTE MILES															
	≥10	≥9	≥8	≥7	≥6	≥5	≥4	≥3	≥2	≥1	≥1/2	≥1/4	≥1/8	≥1/16	≥1/32	≥0
NO CEILING	26.1	30.5	31.8	33.3	33.8	34.2	34.3	34.3	34.3	34.3	34.3	34.3	34.4	34.4	34.4	34.4
≥20000	26.7	31.7	33.0	34.7	35.2	35.8	35.9	35.9	35.9	36.0	36.0	36.0	36.0	36.0	36.1	36.4
≥18000	26.7	31.7	33.0	34.7	35.2	35.8	35.9	35.9	35.9	36.0	36.0	36.0	36.0	36.0	36.1	36.4
≥16000	26.7	31.7	33.0	34.7	35.2	35.8	35.9	35.9	35.9	36.0	36.0	36.0	36.0	36.0	36.1	36.4
≥14000	27.0	32.0	33.4	35.1	35.6	36.2	36.3	36.3	36.3	36.4	36.4	36.4	36.4	36.4	36.5	36.8
≥12000	27.3	32.0	33.6	35.3	35.8	36.4	36.5	36.5	36.5	36.6	36.6	36.6	36.7	36.7	36.8	37.1
≥10000	32.6	40.9	43.0	45.1	45.8	46.9	47.0	47.0	47.0	47.1	47.1	47.1	47.2	47.2	47.2	47.5
≥9000	32.9	41.2	43.4	45.5	46.2	47.3	47.4	47.4	47.4	47.5	47.5	47.5	47.6	47.6	47.6	47.9
≥8000	39.0	49.8	52.8	56.7	58.0	59.4	59.6	59.7	60.0	60.1	60.2	60.2	60.2	60.2	60.4	60.9
≥7000	40.7	52.2	55.6	60.1	61.5	63.0	63.3	63.5	63.9	64.0	64.0	64.1	64.1	64.1	64.3	64.8
≥6000	42.1	54.0	57.8	62.6	64.2	65.9	66.3	66.6	67.0	67.1	67.1	67.2	67.2	67.2	67.4	67.8
≥5000	42.7	54.6	58.5	63.4	65.0	66.7	67.2	67.5	67.8	68.0	68.0	68.1	68.1	68.1	68.3	68.7
≥4500	42.8	54.8	58.7	63.7	65.3	67.0	67.5	67.8	68.3	68.5	68.5	68.6	68.6	68.6	68.7	69.2
≥4000	44.0	56.2	60.1	65.1	67.0	69.1	69.6	70.0	70.5	70.8	70.8	70.9	70.9	70.9	71.1	71.6
≥3500	44.1	56.3	60.2	65.2	67.2	69.3	70.0	70.4	71.1	71.3	71.3	71.5	71.5	71.5	71.7	72.2
≥3000	44.6	57.1	61.1	66.5	68.7	71.0	71.6	72.1	72.9	73.0	73.1	73.3	73.3	73.3	73.5	73.9
≥2500	44.9	57.5	61.5	67.4	69.8	72.2	72.8	73.4	74.2	74.4	74.5	74.7	74.7	74.7	74.8	75.3
≥2000	45.1	57.8	61.7	67.7	70.2	72.6	73.2	73.8	74.6	74.8	74.9	75.1	75.1	75.1	75.2	75.7
≥1800	45.1	57.8	61.8	67.8	70.2	72.6	73.2	73.9	74.7	74.9	74.9	75.1	75.1	75.1	75.3	75.8
≥1500	45.6	58.6	62.6	68.7	71.1	73.5	74.1	74.8	75.6	75.8	75.8	76.0	76.0	76.0	76.2	76.7
≥1200	46.2	59.4	63.4	69.6	72.2	74.6	75.2	75.8	76.6	77.0	77.0	77.2	77.2	77.2	77.4	77.8
≥1000	47.2	60.5	64.6	70.8	73.4	75.9	76.5	77.2	78.0	78.3	78.3	78.5	78.5	78.5	78.7	79.2
≥900	47.8	61.3	65.4	71.8	74.4	77.0	77.6	78.3	79.1	79.5	79.5	79.7	79.7	79.7	79.9	80.4
≥800	48.6	62.7	67.2	73.7	76.4	78.9	79.6	80.2	81.1	81.4	81.5	81.7	81.7	81.7	81.9	82.4
≥700	50.2	64.7	69.3	76.0	78.7	81.3	82.1	82.7	83.6	83.9	84.0	84.3	84.3	84.3	84.5	85.0
≥600	50.5	65.2	70.4	77.2	79.9	82.7	83.7	84.3	85.2	85.6	85.7	85.9	85.9	85.9	86.1	86.6
≥500	51.3	66.3	71.6	79.0	82.0	85.0	86.0	86.6	87.6	88.0	88.1	88.4	88.4	88.4	88.6	89.1
≥400	51.5	66.7	72.4	80.4	83.5	86.6	87.8	88.6	89.8	90.1	90.2	90.6	90.6	90.6	90.9	91.3
≥300	51.5	66.8	72.6	80.7	84.3	87.8	89.1	90.0	91.4	91.8	91.9	92.5	92.5	92.5	92.8	93.4
≥200	51.5	67.0	72.8	81.0	84.8	88.3	90.0	91.2	93.2	93.8	93.9	95.3	95.3	95.3	95.7	96.5
≥100	51.5	67.0	72.8	81.0	84.8	88.4	90.0	91.3	93.4	94.1	94.3	96.4	96.4	96.4	96.7	97.2
≥0	51.5	67.0	72.8	81.0	84.8	88.4	90.0	91.3	93.4	94.1	94.3	96.4	96.4	96.4	96.7	97.2

TOTAL NUMBER OF OBSERVATIONS 2230

2

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

42218 STATION TAI-CHUNG TAIWAN/CHING CHUAN KANG 69-71

YEARS

LEB

ALL

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.9	≥.8	≥.7	≥.6	≥.5	≥.4
NO CEILING		27.2	32.4	34.8	36.4	37.6	37.9	38.1	38.3	38.4	38.5	38.5	38.7	38.9	39.0	40.3
≥ 20000		27.5	32.7	35.2	36.7	38.0	38.2	38.5	38.8	38.8	39.0	39.0	39.1	39.3	39.3	40.7
≥ 18000		27.5	32.8	35.2	36.8	38.0	38.3	38.5	38.8	38.9	39.0	39.0	39.2	39.4	39.5	40.8
≥ 16000		27.6	32.8	35.3	36.8	38.1	38.3	38.6	38.9	38.9	39.1	39.1	39.2	39.4	39.6	40.8
≥ 14000		27.6	33.0	35.5	37.0	38.3	38.5	38.8	39.1	39.1	39.3	39.3	39.4	39.6	39.6	41.0
≥ 12000		28.8	34.5	37.1	38.9	40.1	40.4	40.7	41.0	41.1	41.3	41.3	41.5	41.7	41.8	43.1
≥ 10000		31.3	37.7	40.8	42.7	44.1	44.5	44.8	45.1	45.3	45.5	45.5	45.7	45.9	46.0	47.3
≥ 9000		31.3	37.7	41.0	43.1	44.6	45.0	45.4	45.7	45.9	46.2	46.2	46.4	46.6	46.7	48.0
≥ 8000		36.6	44.8	48.4	51.2	53.3	54.0	54.5	55.2	55.5	55.8	55.8	56.0	56.3	56.4	57.7
≥ 7000		38.7	47.6	51.8	54.7	56.8	57.7	58.3	59.0	59.3	59.6	59.6	59.9	60.1	60.3	61.6
≥ 6000		39.3	48.6	53.0	56.0	58.2	59.1	59.7	60.4	60.7	61.0	61.0	61.3	61.5	61.7	63.0
≥ 5000		40.0	49.6	53.9	57.2	59.4	60.3	61.2	62.0	62.3	62.7	62.7	63.1	63.3	63.5	64.8
≥ 4500		40.3	50.2	54.6	57.8	60.0	61.2	61.9	62.6	63.0	63.4	63.4	63.7	64.0	64.2	65.5
≥ 4000		41.4	51.5	55.8	59.2	61.4	62.6	63.3	64.1	64.3	64.9	64.9	65.2	65.5	65.7	66.9
≥ 3500		42.1	52.3	56.7	60.0	62.3	63.3	64.2	65.0	65.4	65.8	65.8	66.2	66.4	66.6	67.9
≥ 3000		43.0	53.4	58.1	61.5	63.8	65.1	65.8	66.6	67.0	67.4	67.4	67.8	68.0	68.2	69.5
≥ 2500		43.6	54.2	59.0	62.8	65.2	66.3	67.2	68.0	68.3	68.9	68.9	69.4	69.6	69.8	71.1
≥ 2000		43.9	54.7	59.5	63.3	66.0	67.3	68.0	68.8	69.4	69.9	69.9	70.4	70.6	70.8	72.1
≥ 1800		43.9	54.7	59.5	63.4	66.1	67.4	68.1	68.9	69.5	69.9	69.9	70.4	70.7	70.9	72.2
≥ 1500		44.3	55.2	60.0	64.0	66.7	68.0	68.7	69.5	70.1	70.6	70.6	71.1	71.3	71.5	72.8
≥ 1200		45.2	56.2	61.2	65.3	68.1	69.8	70.5	71.4	72.0	72.5	72.5	73.0	73.2	73.4	74.7
≥ 1000		45.6	56.7	61.6	65.8	68.6	70.3	71.0	71.9	72.6	73.0	73.0	73.5	73.7	73.9	75.2
≥ 900		46.1	57.2	62.1	66.4	69.2	71.0	71.7	72.6	73.3	73.7	73.7	74.2	74.4	74.6	75.9
≥ 800		46.7	58.1	63.4	67.9	70.9	72.9	73.5	74.4	75.1	75.6	75.6	76.1	76.3	76.6	77.9
≥ 700		46.8	58.6	64.1	69.5	72.7	74.6	75.3	76.2	76.9	77.4	77.4	77.9	78.1	78.4	79.7
≥ 600		47.1	59.9	65.6	71.7	75.2	77.3	78.0	78.9	79.7	80.2	80.2	80.7	80.9	81.2	82.5
≥ 500		47.1	60.1	66.4	73.3	77.3	79.7	80.5	81.7	82.7	83.2	83.2	83.9	84.2	84.5	85.8
≥ 400		47.1	60.1	66.5	73.8	78.2	80.9	82.5	84.3	85.7	86.3	86.3	87.1	87.4	87.8	89.1
≥ 300		47.1	60.5	66.9	74.4	79.1	82.0	83.8	86.1	87.6	88.3	88.3	89.3	89.7	90.1	91.5
≥ 200		47.1	60.5	66.9	74.4	79.3	82.5	84.6	87.2	89.1	90.5	90.6	92.2	92.8	93.7	95.4
≥ 100		47.1	60.5	66.9	74.4	79.4	82.6	84.7	87.3	89.3	91.1	91.4	93.5	94.3	96.1	98.8
≥ 0		47.1	60.5	66.9	74.4	79.4	82.6	84.7	87.3	89.3	91.1	91.4	93.5	94.3	96.3	100.0

TOTAL NUMBER OF OBSERVATIONS 2015

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

42215 TAI-CHING TAIWAN/CHING CHUAN KANG 69-71

AK

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

ALL  
HOURS

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.5	≥0.25	≥0.1	≥0.05	≥0.025	≥0.01	≥0
NO CEILING		12.5	16.5	18.9	21.7	22.9	23.9	24.0	24.1	24.2	24.3	24.3	24.6	24.6	24.7	25.1
≥ 20000		13.7	19.4	21.9	24.9	26.3	27.2	27.3	27.5	27.7	27.7	27.7	28.0	28.1	28.2	28.6
≥ 18000		13.7	19.4	21.9	24.9	26.3	27.2	27.3	27.5	27.7	27.7	27.7	28.0	28.1	28.2	28.6
≥ 16000		13.7	19.4	21.9	24.9	26.3	27.2	27.3	27.5	27.7	27.7	27.7	28.0	28.1	28.2	28.6
≥ 14000		13.9	20.0	22.5	25.6	26.9	27.9	28.0	28.1	28.4	28.4	28.4	28.7	28.8	28.9	29.3
≥ 12000		14.8	21.2	23.9	27.1	28.5	29.5	29.7	29.9	30.1	30.2	30.2	30.4	30.6	30.6	31.0
≥ 10000		16.2	24.2	27.2	30.9	32.5	33.6	33.8	34.2	34.5	34.5	34.5	34.8	34.9	35.0	35.4
≥ 9000		16.7	25.0	28.2	31.9	33.5	34.6	34.9	35.3	35.6	35.7	35.7	35.9	36.1	36.1	36.6
≥ 8000		19.5	28.6	32.1	36.5	38.3	39.7	40.0	40.5	40.8	40.9	40.9	41.3	41.4	41.4	41.9
≥ 7000		20.4	29.7	33.5	37.9	40.0	41.6	41.8	42.3	42.7	42.8	42.8	43.1	43.3	43.3	43.8
≥ 6000		21.1	30.8	34.6	39.1	41.2	42.7	43.0	43.5	43.9	44.0	44.0	44.4	44.5	44.5	45.0
≥ 5000		22.4	32.2	36.2	40.9	43.0	44.7	45.0	45.6	46.1	46.2	46.2	46.6	46.7	46.8	47.2
≥ 4500		22.6	32.7	36.7	41.5	43.6	45.3	45.7	46.2	46.7	46.8	46.8	47.2	47.4	47.4	47.8
≥ 4000		23.3	33.8	37.9	43.3	45.6	47.4	47.8	48.3	49.0	49.1	49.1	49.5	49.6	49.7	50.1
≥ 3500		23.5	34.4	38.6	44.0	46.4	48.2	48.6	49.3	49.9	50.0	50.0	50.4	50.6	50.6	51.1
≥ 3000		24.3	35.8	40.1	45.7	48.1	50.0	50.5	51.4	52.2	52.3	52.3	52.7	52.9	52.9	53.4
≥ 2500		25.4	38.0	42.5	48.4	51.0	53.0	53.5	54.6	55.3	55.5	55.5	55.9	56.0	56.1	56.5
≥ 2000		26.5	39.5	44.0	50.2	52.9	55.1	55.7	56.8	57.5	57.7	57.7	58.1	58.2	58.3	58.7
≥ 1800		26.5	39.6	44.1	50.3	53.0	55.2	55.9	56.9	57.7	57.8	57.8	58.2	58.4	58.4	58.9
≥ 1500		26.7	39.8	44.4	50.7	53.4	55.7	56.4	57.5	58.2	58.4	58.4	58.8	59.1	59.1	59.5
≥ 1200		27.4	40.8	45.4	52.0	54.8	57.1	57.9	59.0	59.7	59.9	59.9	60.3	60.5	60.6	61.0
≥ 1000		27.8	41.5	46.1	52.7	55.6	57.9	58.7	59.8	60.5	60.7	60.7	61.1	61.3	61.4	61.8
≥ 900		28.0	42.2	47.0	53.7	56.5	58.9	59.7	60.8	61.6	61.8	61.8	62.2	62.5	62.5	62.9
≥ 800		28.9	43.3	48.4	55.5	58.4	60.8	61.6	62.8	63.7	63.9	63.9	64.3	64.6	64.6	65.1
≥ 700		29.5	44.5	49.9	57.3	60.2	63.1	64.0	65.1	66.0	66.2	66.2	66.6	66.9	66.9	67.4
≥ 600		30.1	46.2	52.3	60.5	64.1	67.2	68.1	69.4	70.4	70.7	70.7	71.1	71.4	71.5	71.9
≥ 500		30.2	46.9	53.4	62.5	66.9	70.4	71.5	73.0	74.1	74.5	74.5	74.9	75.2	75.2	75.7
≥ 400		30.2	47.1	53.8	63.2	68.2	72.5	74.2	76.1	77.6	78.0	78.0	78.5	78.8	78.9	79.3
≥ 300		30.2	47.2	54.1	64.2	69.3	74.5	76.9	79.3	82.1	82.8	82.8	83.6	83.9	84.0	84.5
≥ 200		30.3	47.5	54.4	64.8	70.2	75.8	78.5	81.7	85.6	87.1	87.5	89.3	90.4	91.3	92.1
≥ 100		30.3	47.5	54.4	64.8	70.2	75.8	78.6	81.9	85.8	87.5	88.1	90.6	92.5	94.7	97.8
≥ 0		30.3	47.5	54.4	64.8	70.3	75.8	78.6	81.9	85.9	87.6	88.2	90.7	92.6	94.8	100.0

TOTAL NUMBER OF OBSERVATIONS 2232

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/TAC

# CEILING VERSUS VISIBILITY

42218 TAI-CHUNG TAIWAN/CHING CHUAN KANG 69-71

APR

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

ALL

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1.4	≥ 1	≥ .9	≥ .8	≥ .7	≥ .6	≥ .5	≥ 0
NO CEILING	14.6	23.3	27.1	30.1	31.5	33.1	33.9	34.2	34.4	34.6	34.6	34.6	34.7	34.7	34.7	35.0
≥ 20000	17.8	27.7	32.3	35.9	37.5	39.2	40.0	40.4	40.7	40.9	40.9	40.9	41.0	41.0	41.0	41.3
≥ 18000	17.8	27.7	32.3	35.9	37.6	39.3	40.0	40.4	40.7	40.9	40.9	40.9	41.0	41.0	41.1	41.4
≥ 16000	17.8	27.7	32.3	35.9	37.6	39.3	40.0	40.4	40.7	40.9	40.9	40.9	41.0	41.0	41.1	41.4
≥ 14000	18.1	28.2	32.8	36.4	38.2	39.9	40.6	41.1	41.4	41.6	41.6	41.6	41.7	41.7	41.8	42.1
≥ 12000	18.9	29.8	34.9	38.8	40.8	42.6	43.4	44.0	44.4	44.6	44.6	44.6	44.8	44.8	45.0	45.3
≥ 10000	21.2	34.2	39.8	44.5	46.8	48.8	49.8	50.4	50.7	51.0	51.0	51.0	51.2	51.2	51.3	51.7
≥ 9000	21.8	34.9	40.6	45.3	47.7	49.7	50.8	51.5	51.8	52.1	52.1	52.1	52.3	52.3	52.4	52.7
≥ 8000	24.6	40.9	48.1	55.9	59.3	62.3	63.5	64.6	65.0	65.3	65.3	65.3	65.5	65.5	65.6	66.0
≥ 7000	26.1	43.1	51.0	59.7	63.6	66.7	68.1	69.2	69.6	69.9	69.9	69.9	70.1	70.1	70.3	70.6
≥ 6000	26.3	43.3	51.4	60.2	64.1	67.2	68.6	69.8	70.2	70.5	70.5	70.5	70.7	70.7	70.9	71.2
≥ 5000	26.3	43.5	51.8	61.0	65.3	68.6	70.0	71.2	71.5	71.9	71.9	71.9	72.1	72.1	72.3	72.6
≥ 4500	26.5	43.8	52.1	61.3	65.7	69.0	70.4	71.6	71.9	72.3	72.3	72.3	72.5	72.5	72.7	73.1
≥ 4000	27.7	45.5	54.0	63.7	68.3	72.4	74.0	75.3	75.7	76.1	76.1	76.1	76.4	76.4	76.6	76.9
≥ 3500	28.8	46.9	55.5	65.3	70.0	74.5	76.2	77.6	78.1	78.4	78.4	78.4	78.8	78.8	79.0	79.4
≥ 3000	29.9	48.3	57.1	67.0	71.8	76.3	78.1	79.7	80.1	80.5	80.5	80.5	80.9	80.9	81.1	81.4
≥ 2500	30.6	49.4	58.3	68.4	73.1	77.7	79.4	81.2	81.6	82.0	82.0	82.0	82.5	82.5	82.8	83.1
≥ 2000	31.1	50.5	59.7	70.0	75.2	80.0	81.9	83.7	84.3	84.7	84.7	84.7	85.1	85.1	85.4	85.7
≥ 1800	31.2	50.5	59.7	70.0	75.3	80.0	81.9	83.8	84.4	84.8	84.8	84.8	85.2	85.2	85.5	85.8
≥ 1500	31.4	51.0	60.2	70.6	76.3	81.1	83.1	84.9	85.5	85.9	85.9	85.9	86.3	86.3	86.6	86.9
≥ 1200	31.6	51.2	60.5	71.1	76.9	81.8	83.8	85.6	86.2	86.6	86.6	86.6	87.0	87.0	87.4	87.7
≥ 1000	31.6	51.2	60.5	71.2	76.9	81.9	83.9	85.8	86.4	86.8	86.8	86.8	87.3	87.3	87.6	87.9
≥ 900	31.6	51.2	60.5	71.3	77.1	82.2	84.2	86.1	86.7	87.1	87.1	87.1	87.5	87.5	87.9	88.2
≥ 800	31.6	51.2	60.5	71.4	77.4	82.5	84.5	86.5	87.1	87.5	87.5	87.5	88.0	88.0	88.3	88.7
≥ 700	31.6	51.2	60.6	71.5	77.6	82.7	84.9	86.8	87.5	88.0	88.0	88.0	88.4	88.4	88.8	89.1
≥ 600	31.6	51.5	60.9	72.0	78.1	83.5	85.7	87.8	88.5	89.0	89.0	89.0	89.9	89.9	90.2	90.6
≥ 500	31.6	51.6	61.0	72.2	78.4	83.8	86.1	88.3	89.2	89.7	89.7	89.7	90.6	90.6	90.9	91.3
≥ 400	31.6	51.7	61.2	72.8	79.0	84.9	87.3	89.9	90.9	91.5	91.5	91.5	92.5	92.5	92.8	93.1
≥ 300	31.6	51.8	61.3	73.1	79.3	85.3	87.9	90.7	92.0	93.1	93.1	93.1	94.2	94.2	94.6	94.9
≥ 200	31.6	51.8	61.3	73.2	79.4	85.4	88.0	91.2	92.7	94.0	94.0	94.0	95.6	95.9	96.9	97.5
≥ 100	31.6	51.8	61.3	73.2	79.4	85.4	88.0	91.2	92.7	94.0	94.1	94.1	95.6	96.3	97.8	99.6
≥ 0	31.6	51.8	61.3	73.2	79.4	85.4	88.0	91.2	92.7	94.0	94.1	94.1	95.6	96.3	97.9	100.0

TOTAL NUMBER OF OBSERVATIONS 2160

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

4221A STATION TAI-CHUNG TAIWAN/CHING CHUAN KANG 69-71

AY

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

ALL

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1.4	≥ 1	≥ .8	≥ .6	≥ .5	≥ .4	≥ .3	≥ 0
NO CEILING		22.5	27.7	31.7	34.3	35.5	36.2	36.4	36.4	36.6	36.7	36.7	36.7	36.7	36.7	36.8
≥ 20000		29.0	35.0	39.3	42.1	43.2	44.1	44.2	44.3	44.5	44.6	44.6	44.6	44.6	44.6	44.8
≥ 18000		29.4	35.3	39.6	42.4	43.6	44.4	44.6	44.7	44.9	45.0	45.0	45.0	45.0	45.0	45.1
≥ 16000		29.5	35.5	39.8	42.6	43.7	44.6	44.8	44.9	45.0	45.1	45.1	45.2	45.2	45.2	45.3
≥ 14000		31.2	37.7	42.4	45.4	46.5	47.4	47.6	47.7	47.9	48.0	48.0	48.0	48.0	48.0	48.1
≥ 12000		32.9	39.9	45.2	48.8	49.9	50.9	51.1	51.1	51.3	51.4	51.4	51.5	51.5	51.5	51.6
≥ 10000		37.4	45.6	51.8	56.2	57.8	59.1	59.4	59.5	59.7	59.8	59.8	59.9	59.9	59.9	60.1
≥ 9000		38.1	46.6	53.3	57.9	59.6	60.8	61.1	61.3	61.5	61.5	61.6	61.7	61.7	61.7	61.8
≥ 8000		41.3	51.4	59.4	65.0	66.9	68.6	69.0	69.2	69.4	69.5	69.6	69.7	69.7	69.7	69.8
≥ 7000		43.7	54.6	62.7	68.6	70.5	72.3	72.8	73.0	73.3	73.4	73.5	73.6	73.6	73.6	73.7
≥ 6000		44.5	55.8	64.2	70.4	72.3	74.2	74.7	74.9	75.3	75.3	75.4	75.5	75.5	75.5	75.7
≥ 5000		45.0	56.7	65.4	71.8	73.8	75.9	76.4	76.6	77.0	77.1	77.1	77.2	77.2	77.2	77.4
≥ 4500		45.1	56.8	65.5	71.9	73.9	76.0	76.5	76.7	77.1	77.1	77.2	77.3	77.3	77.3	77.5
≥ 4000		46.1	58.1	67.1	73.6	76.0	78.3	78.8	79.1	79.5	79.7	79.7	79.8	79.8	79.9	80.1
≥ 3500		46.8	59.0	68.1	75.1	77.5	79.8	80.4	80.7	81.2	81.3	81.4	81.5	81.5	81.6	81.8
≥ 3000		47.6	60.3	69.7	76.9	79.7	82.0	82.8	83.1	83.5	83.7	83.7	83.9	83.9	84.0	84.1
≥ 2500		49.1	61.9	71.5	79.0	81.8	84.2	85.1	85.3	85.8	86.0	86.1	86.2	86.2	86.3	86.5
≥ 2000		50.3	63.8	73.5	81.0	84.0	86.6	87.7	88.1	88.6	88.8	88.8	89.1	89.1	89.2	89.3
≥ 1800		50.3	63.8	73.5	81.1	84.1	86.7	87.8	88.1	88.6	88.8	88.9	89.1	89.1	89.2	89.4
≥ 1500		50.9	64.4	74.2	81.8	84.9	87.6	88.7	89.0	89.5	89.8	89.8	90.0	90.0	90.1	90.3
≥ 1200		51.3	65.2	75.1	82.9	86.1	88.9	90.0	90.3	90.8	91.1	91.1	91.3	91.3	91.4	91.6
≥ 1000		51.4	65.4	75.4	83.3	86.5	89.3	90.5	90.8	91.3	91.6	91.6	91.9	91.9	92.0	92.2
≥ 900		51.4	65.4	75.5	83.4	86.6	89.5	90.6	91.0	91.5	91.8	91.8	92.1	92.1	92.2	92.3
≥ 800		51.5	65.8	76.0	83.9	87.1	89.9	91.1	91.4	91.9	92.3	92.3	92.7	92.7	92.8	93.0
≥ 700		51.6	65.8	76.1	84.2	87.9	90.7	91.9	92.2	92.8	93.1	93.2	93.6	93.6	93.7	93.9
≥ 600		51.7	65.9	76.3	84.5	88.2	91.2	92.5	93.0	93.5	93.9	93.9	94.4	94.4	94.4	94.6
≥ 500		51.8	66.1	76.6	85.0	88.9	92.0	93.5	94.0	94.6	95.0	95.1	95.5	95.5	95.6	95.7
≥ 400		51.9	66.4	77.0	85.4	89.5	92.7	94.5	95.0	95.7	96.2	96.2	96.6	96.6	96.7	96.9
≥ 300		52.0	66.4	77.1	85.6	89.6	93.3	95.7	96.2	97.1	97.6	97.7	98.2	98.2	98.3	98.5
≥ 200		52.0	66.4	77.1	85.8	89.9	93.7	96.1	96.7	97.6	98.2	98.3	98.9	99.0	99.1	99.3
≥ 100		52.0	66.4	77.1	85.8	89.9	93.8	96.2	96.9	97.7	98.3	98.4	99.3	99.3	99.6	99.9
≥ 0		52.0	66.4	77.1	85.8	89.9	93.8	96.2	96.9	97.7	98.3	98.4	99.3	99.3	99.6	100.0

TOTAL NUMBER OF OBSERVATIONS 2231



DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

42216 TAI-CHUNG TAIWAN/CHING CHUAN KANG 69-71  
STATION STATION NAME YEAR

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1.4	≥ 1	≥ .9	≥ .8	≥ .7	≥ .6	≥ .5	≥ 0
NO CEILING		25.7	30.0	33.9	35.8	36.4	37.1	37.2	37.3	37.5	37.5	37.5	37.5	37.6	37.6	37.7
≥ 20000		35.4	41.7	45.5	47.8	48.5	49.3	49.4	49.5	49.7	49.8	49.8	49.9	49.9	49.9	50.0
≥ 18000		35.5	42.0	46.0	48.3	48.9	49.8	49.9	50.0	50.2	50.3	50.3	50.3	50.3	50.4	50.5
≥ 16000		35.6	42.1	46.1	48.4	49.1	49.9	50.0	50.1	50.3	50.4	50.4	50.5	50.5	50.5	50.6
≥ 14000		37.4	44.0	48.1	50.4	51.0	51.9	51.9	52.1	52.3	52.4	52.4	52.4	52.4	52.5	52.5
≥ 12000		40.0	47.2	51.4	54.1	54.9	55.8	55.9	56.0	56.2	56.3	56.3	56.3	56.3	56.4	56.5
≥ 10000		44.8	53.4	58.2	61.2	62.3	63.2	63.5	63.7	64.1	64.2	64.2	64.2	64.2	64.3	64.4
≥ 9000		45.0	53.6	58.5	61.4	62.5	63.5	63.8	63.9	64.3	64.4	64.4	64.4	64.4	64.5	64.6
≥ 8000		47.9	57.0	62.8	66.2	67.8	69.1	69.5	69.9	70.3	70.5	70.5	70.8	70.8	70.8	70.9
≥ 7000		48.7	58.1	64.5	68.3	70.0	71.3	71.8	72.2	72.6	72.8	72.9	73.2	73.2	73.2	73.3
≥ 6000		48.8	58.3	64.8	68.6	70.2	71.5	72.0	72.5	73.0	73.1	73.2	73.5	73.5	73.6	73.7
≥ 5000		49.2	59.0	65.6	69.4	71.2	72.5	73.1	73.6	74.1	74.3	74.4	74.7	74.7	74.7	74.8
≥ 4500		49.5	59.4	66.1	69.9	71.6	73.0	73.6	74.1	74.6	74.8	74.9	75.1	75.1	75.2	75.3
≥ 4000		50.0	60.3	67.3	71.3	73.1	74.5	75.2	75.6	76.2	76.4	76.5	76.9	76.9	76.9	77.0
≥ 3500		50.4	61.0	68.1	72.3	74.1	75.5	76.2	76.7	77.2	77.4	77.5	77.9	77.9	77.9	78.0
≥ 3000		51.0	61.8	69.2	73.7	75.5	77.0	77.8	78.4	78.9	79.1	79.2	79.6	79.6	79.6	79.7
≥ 2500		52.6	63.9	71.9	76.6	78.6	80.2	81.0	81.6	82.2	82.4	82.5	82.9	82.9	83.0	83.1
≥ 2000		54.5	66.2	74.9	80.0	81.9	83.8	84.6	85.2	85.8	86.0	86.1	86.5	86.5	86.6	86.7
≥ 1800		54.6	66.4	75.0	80.1	82.2	84.0	84.9	85.5	86.0	86.3	86.3	86.8	86.8	86.8	86.9
≥ 1500		55.7	67.6	76.3	81.9	84.0	85.9	86.8	87.4	88.0	88.2	88.3	88.8	88.8	88.8	88.9
≥ 1200		56.3	68.6	77.8	83.9	86.3	88.4	89.4	90.2	90.8	91.1	91.2	91.6	91.6	91.6	91.7
≥ 1000		55.5	68.8	78.1	84.4	87.0	89.1	90.2	91.0	91.6	91.9	91.9	92.4	92.4	92.4	92.5
≥ 900		56.5	68.8	78.1	84.5	87.0	89.2	90.2	91.0	91.7	91.9	92.0	92.5	92.5	92.5	92.6
≥ 800		56.8	69.2	78.7	85.1	87.7	89.9	91.1	91.9	92.7	93.0	93.1	93.5	93.5	93.6	93.7
≥ 700		56.9	69.4	78.9	85.6	88.2	90.4	91.6	92.4	93.2	93.5	93.6	94.0	94.0	94.1	94.2
≥ 600		56.9	69.5	79.3	86.2	89.0	91.3	92.5	93.3	94.1	94.4	94.5	94.9	94.9	95.0	95.0
≥ 500		57.3	70.1	80.0	87.1	89.9	92.3	93.6	94.4	95.5	95.8	95.9	96.3	96.4	96.4	96.5
≥ 400		57.3	70.1	80.1	87.2	90.1	92.5	93.8	94.7	95.9	96.3	96.4	96.9	96.9	96.9	97.0
≥ 300		57.3	70.1	80.2	87.3	90.3	92.8	94.4	95.3	96.6	97.1	97.2	97.7	97.7	97.8	97.9
≥ 200		57.3	70.1	80.3	87.4	90.5	93.0	94.9	96.0	97.5	98.2	98.3	99.1	99.2	99.3	99.4
≥ 100		57.3	70.1	80.3	87.4	90.5	93.1	94.9	96.0	97.6	98.4	98.6	99.5	99.6	99.8	99.9
≥ 0		57.3	70.1	80.3	87.4	90.5	93.1	94.9	96.0	97.6	98.4	98.6	99.5	99.6	99.8	100.0

TOTAL NUMBER OF OBSERVATIONS 2160

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

42216 TAI-CHING TAIWAN/CHING CHUAN KANG 69-71

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

CEILING FEET:	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1.4	≥ 1	≥ .9	≥ .8	≥ .75	≥ .7	≥ 0
NO CEILING		42.3	44.2	51.2	52.2	53.0	53.5	53.7	53.8	53.9	54.0	54.0	54.0	54.0	54.1
≥ 20000		53.7	61.6	65.5	66.9	67.8	68.4	68.7	68.7	69.0	69.0	69.0	69.1	69.1	69.1
≥ 18000		53.7	61.6	65.5	66.9	67.8	68.4	68.7	68.7	69.0	69.0	69.0	69.1	69.1	69.1
≥ 16000		53.7	61.6	65.5	66.9	67.8	68.4	68.7	68.7	69.0	69.0	69.0	69.1	69.1	69.1
≥ 14000		54.6	62.6	66.5	67.9	68.9	69.5	69.7	69.8	70.0	70.0	70.0	70.1	70.1	70.2
≥ 12000		55.1	63.2	67.4	69.0	70.0	70.5	70.8	70.9	71.1	71.1	71.1	71.2	71.2	71.3
≥ 10000		60.4	69.7	74.3	76.5	77.6	78.5	78.8	78.8	79.1	79.1	79.1	79.2	79.2	79.3
≥ 9000		60.6	69.8	74.5	76.6	77.8	78.6	78.9	79.0	79.2	79.3	79.3	79.3	79.3	79.5
≥ 8000		64.9	74.8	79.5	81.7	82.9	83.9	84.2	84.3	84.5	84.6	84.6	84.6	84.7	84.8
≥ 7000		66.6	76.7	81.6	83.8	85.0	86.0	86.3	86.4	86.7	86.7	86.7	86.8	86.8	86.9
≥ 6000		66.8	77.0	81.8	84.0	85.3	86.3	86.6	86.7	87.0	87.0	87.0	87.1	87.1	87.2
≥ 5000		67.0	77.3	82.1	84.3	85.6	86.6	86.9	87.0	87.3	87.3	87.3	87.4	87.4	87.5
≥ 4500		67.0	77.3	82.2	84.3	85.7	86.6	87.0	87.0	87.3	87.4	87.4	87.4	87.4	87.5
≥ 4000		67.6	77.9	82.8	85.0	86.3	87.3	87.6	87.7	87.9	88.0	88.0	88.0	88.1	88.2
≥ 3500		67.9	78.4	83.3	85.5	86.8	87.8	88.1	88.2	88.5	88.5	88.5	88.6	88.6	88.7
≥ 3000		68.5	79.0	84.2	86.4	87.8	88.8	89.1	89.2	89.5	89.5	89.5	89.6	89.6	89.7
≥ 2500		70.6	81.6	86.8	89.2	90.6	91.6	91.9	92.0	92.3	92.3	92.3	92.4	92.4	92.5
≥ 2000		72.4	83.5	89.1	91.6	93.1	94.1	94.4	94.6	94.9	94.9	94.9	95.0	95.0	95.1
≥ 1800		72.5	83.6	89.1	91.7	93.3	94.3	94.6	94.7	95.0	95.1	95.1	95.1	95.1	95.2
≥ 1500		73.9	85.3	90.9	93.5	95.1	96.1	96.4	96.5	96.9	96.9	96.9	97.0	97.0	97.1
≥ 1200		74.6	86.0	91.6	94.3	95.9	96.9	97.2	97.4	97.7	97.7	97.7	97.8	97.8	97.9
≥ 1000		74.6	86.0	91.7	94.3	95.9	97.0	97.3	97.4	97.7	97.8	97.8	97.8	97.9	98.0
≥ 900		74.7	86.1	91.7	94.4	96.0	97.0	97.4	97.5	97.8	97.8	97.8	97.9	97.9	98.1
≥ 800		74.8	86.2	92.0	94.7	96.2	97.3	97.6	97.7	98.0	98.1	98.1	98.2	98.2	98.3
≥ 700		74.9	86.3	92.1	94.8	96.5	97.5	97.8	97.9	98.3	98.3	98.3	98.4	98.4	98.6
≥ 600		74.9	86.3	92.2	94.9	96.6	97.7	98.0	98.2	98.5	98.5	98.5	98.6	98.6	98.8
≥ 500		74.9	86.3	92.2	95.0	96.9	98.0	98.3	98.5	98.8	98.9	98.9	99.0	99.0	99.1
≥ 400		74.9	86.3	92.3	95.2	97.1	98.2	98.7	98.9	99.2	99.2	99.2	99.3	99.3	99.5
≥ 300		74.9	86.3	92.3	95.2	97.2	98.5	98.9	99.1	99.4	99.5	99.5	99.6	99.6	99.7
≥ 200		74.9	86.4	92.4	95.3	97.3	98.6	99.0	99.1	99.5	99.6	99.6	99.8	99.8	100.0
≥ 100		74.9	86.4	92.4	95.3	97.3	98.6	99.0	99.1	99.5	99.6	99.6	99.8	99.8	100.0
≥ 0		74.9	86.4	92.4	95.3	97.3	98.6	99.0	99.1	99.5	99.6	99.6	99.8	99.8	100.0

TOTAL NUMBER OF OBSERVATIONS 2230

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/INC

# CEILING VERSUS VISIBILITY

42214 STATION TAI-CHUNG TAIWAN/CHING CHUAN KANG 64-71

YEARS 1964 MONTHS 12 HOURS 24

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY, STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1.25	≥ 1	≥ .75	≥ .5	≥ .25	≥ .16	≥ .1	≥ 0
NO CEILING		37.7	44.3	48.9	51.4	52.6	53.6	54.2	54.3	54.7	55.0	55.0	55.2	55.2	55.3	55.3
≥ 20000		42.9	50.8	56.1	59.3	60.6	61.8	62.4	62.6	63.1	63.3	63.3	63.5	63.5	63.6	63.7
≥ 18000		43.0	50.8	56.2	59.4	60.7	61.8	62.5	62.6	63.1	63.4	63.4	63.5	63.5	63.7	63.7
≥ 16000		43.0	50.8	56.2	59.4	60.7	61.8	62.5	62.6	63.1	63.4	63.4	63.5	63.5	63.7	63.7
≥ 14000		43.4	51.3	56.7	59.9	61.2	62.4	63.0	63.2	63.7	63.9	63.9	64.1	64.1	64.2	64.2
≥ 12000		44.4	52.5	57.9	61.1	62.4	63.5	64.2	64.3	64.8	65.1	65.1	65.2	65.2	65.4	65.4
≥ 10000		48.8	57.5	63.2	66.7	68.0	69.2	69.8	70.0	70.5	70.7	70.7	70.9	70.9	71.0	71.1
≥ 9000		49.0	57.6	63.4	66.8	68.1	69.4	70.0	70.2	70.7	70.9	70.9	71.1	71.1	71.3	71.4
≥ 8000		52.8	62.2	68.6	72.7	74.0	75.4	76.1	76.3	76.8	77.0	77.0	77.2	77.2	77.4	77.5
≥ 7000		54.8	64.4	71.0	75.3	76.6	78.0	78.8	79.0	79.5	79.7	79.7	80.0	80.0	80.2	80.2
≥ 6000		55.2	64.9	71.5	75.8	77.2	78.6	79.3	79.6	80.1	80.3	80.3	80.5	80.5	80.7	80.8
≥ 5000		55.8	65.6	72.3	76.6	78.0	79.4	80.1	80.4	80.9	81.1	81.1	81.3	81.3	81.5	81.6
≥ 4500		55.9	65.6	72.4	76.7	78.1	79.6	80.3	80.6	81.0	81.3	81.3	81.5	81.5	81.7	81.8
≥ 4000		56.1	66.0	72.7	77.0	78.4	79.8	80.6	80.8	81.3	81.5	81.5	81.8	81.8	81.9	82.0
≥ 3500		56.4	66.3	73.1	77.4	78.9	80.3	81.0	81.3	81.8	82.0	82.0	82.2	82.2	82.4	82.5
≥ 3000		56.7	66.9	74.0	78.4	79.8	81.2	81.9	82.2	82.7	82.9	82.9	83.2	83.2	83.3	83.4
≥ 2500		58.6	69.4	77.2	81.9	83.7	85.2	86.1	86.3	86.8	87.1	87.1	87.3	87.3	87.5	87.5
≥ 2000		60.7	72.4	80.6	85.8	87.7	89.3	90.2	90.5	91.2	91.4	91.4	91.7	91.7	91.8	91.9
≥ 1800		61.0	72.7	81.0	86.2	88.0	89.7	90.5	90.8	91.5	91.8	91.8	92.0	92.0	92.2	92.3
≥ 1500		61.4	73.7	82.2	87.4	89.4	91.2	92.1	92.3	93.1	93.3	93.3	93.5	93.5	93.7	93.8
≥ 1200		62.1	74.5	83.2	88.5	90.8	92.8	93.8	94.0	94.8	95.0	95.0	95.3	95.3	95.4	95.5
≥ 1000		62.6	75.1	83.8	89.1	91.4	93.5	94.5	94.8	95.5	95.8	95.8	96.0	96.0	96.2	96.3
≥ 900		62.6	75.1	83.9	89.3	91.6	93.8	94.8	95.1	95.8	96.1	96.1	96.4	96.4	96.6	96.6
≥ 800		62.7	75.3	84.1	89.6	91.9	94.1	95.2	95.5	96.2	96.6	96.6	96.8	96.8	97.0	97.0
≥ 700		62.7	75.3	84.1	89.7	92.1	94.6	95.7	96.1	96.8	97.2	97.2	97.4	97.4	97.6	97.7
≥ 600		62.9	75.5	84.3	90.0	92.3	94.8	95.9	96.4	97.1	97.4	97.4	97.7	97.7	97.9	98.0
≥ 500		62.9	75.5	84.3	90.1	92.5	95.1	96.2	96.7	97.5	97.9	97.9	98.2	98.2	98.4	98.5
≥ 400		62.9	75.5	84.3	90.1	92.5	95.1	96.5	97.0	97.9	98.3	98.3	98.7	98.7	98.9	99.0
≥ 300		62.9	75.5	84.4	90.1	92.6	95.3	96.7	97.3	98.2	98.6	98.6	99.0	99.0	99.2	99.3
≥ 200		62.9	75.5	84.4	90.1	92.6	95.3	96.9	97.4	98.4	98.9	98.9	99.4	99.4	99.7	99.9
≥ 100		62.9	75.5	84.4	90.1	92.6	95.3	97.0	97.5	98.5	98.9	98.9	99.5	99.5	99.9	100.0
≥ 0		62.9	75.5	84.4	90.1	92.6	95.3	97.0	97.5	98.5	98.9	98.9	99.5	99.5	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 2232

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

42218  
STATION

TAI-CHING TAIWAN/CHING CHUAN KANG 69-71  
STATION NAME

YEAR

SER

ALL

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

CEILING FEET	VISIBILITY, STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1.4	≥ 1	≥ .9	≥ .8	≥ .7	≥ .6	≥ .5	≥ 0
NO CEILING		23.4	31.7	37.0	40.3	42.1	43.0	44.2	44.6	45.3	45.6	45.6	45.7	45.8	46.2	46.3
≥ 20000		30.0	39.5	45.8	49.5	51.4	52.9	53.9	54.4	55.1	55.5	55.5	55.6	55.7	56.0	56.2
≥ 18000		30.0	39.5	45.8	49.5	51.4	52.9	53.9	54.4	55.1	55.5	55.5	55.6	55.7	56.0	56.2
≥ 16000		30.0	39.5	45.8	49.5	51.4	52.9	53.9	54.4	55.1	55.5	55.5	55.6	55.7	56.0	56.2
≥ 14000		30.1	39.8	46.1	49.9	51.9	53.4	54.4	54.9	55.6	56.0	56.0	56.1	56.2	56.5	56.7
≥ 12000		31.6	41.9	48.4	52.2	54.3	55.7	56.8	57.3	58.0	58.4	58.4	58.5	58.6	58.9	59.1
≥ 10000		35.3	46.6	53.5	57.9	60.1	61.8	62.8	63.3	64.0	64.4	64.4	64.5	64.6	64.9	65.1
≥ 9000		35.6	46.9	53.9	58.3	60.6	62.2	63.3	63.8	64.5	64.9	64.9	65.0	65.0	65.4	65.6
≥ 8000		38.7	50.6	57.8	62.5	64.9	66.6	67.8	68.2	69.0	69.5	69.5	69.6	69.7	70.0	70.2
≥ 7000		39.9	52.1	59.4	64.1	66.5	68.2	69.4	70.0	70.7	71.2	71.2	71.3	71.4	71.7	71.9
≥ 6000		39.9	52.2	59.4	64.2	66.6	68.3	69.5	70.0	70.8	71.3	71.3	71.3	71.4	71.8	71.9
≥ 5000		40.1	52.5	59.8	64.6	67.1	68.9	70.1	70.6	71.4	71.9	71.9	71.9	72.0	72.4	72.5
≥ 4500		40.1	52.5	59.8	64.6	67.1	68.9	70.1	70.6	71.4	71.9	71.9	71.9	72.0	72.4	72.5
≥ 4000		40.3	52.6	60.0	65.0	67.5	69.4	70.6	71.1	71.9	72.3	72.3	72.4	72.5	72.8	73.0
≥ 3500		40.3	52.6	60.1	65.0	67.6	69.4	70.6	71.2	71.9	72.4	72.4	72.5	72.6	72.9	73.1
≥ 3000		40.5	52.9	60.6	65.6	68.3	70.2	71.6	72.1	72.9	73.4	73.4	73.5	73.6	73.9	74.1
≥ 2500		41.2	54.1	62.2	67.9	70.6	72.7	74.1	74.6	75.4	75.9	75.9	76.0	76.1	76.5	76.7
≥ 2000		41.8	55.1	63.8	70.0	73.0	75.2	76.7	77.2	78.1	78.6	78.6	78.7	78.8	79.2	79.4
≥ 1800		41.9	55.3	64.0	70.4	73.4	75.6	77.1	77.6	78.5	79.0	79.0	79.1	79.2	79.6	79.8
≥ 1500		42.3	55.9	64.8	71.4	74.5	76.7	78.2	78.8	79.8	80.4	80.4	80.6	80.7	81.1	81.3
≥ 1200		42.7	56.3	65.7	72.5	75.7	78.1	79.6	80.2	81.2	81.8	81.8	82.0	82.1	82.5	82.7
≥ 1000		43.1	56.9	66.7	73.6	76.9	79.3	81.0	81.6	82.5	83.1	83.1	83.3	83.3	83.9	84.1
≥ 900		43.3	57.2	66.9	73.8	77.1	79.5	81.2	81.8	82.8	83.4	83.4	83.6	83.7	84.1	84.3
≥ 800		43.7	57.6	67.5	74.3	77.7	80.2	82.0	82.6	83.7	84.3	84.4	84.6	84.7	85.2	85.4
≥ 700		44.1	58.2	68.1	75.0	78.5	81.0	82.8	83.4	84.5	85.1	85.2	85.4	85.6	86.0	86.2
≥ 600		44.2	58.5	68.6	76.0	79.8	82.5	84.4	85.0	86.2	86.9	86.9	87.2	87.4	87.9	88.1
≥ 500		44.6	59.4	70.1	77.8	81.6	84.6	86.9	87.5	89.2	90.1	90.2	90.6	90.9	91.5	91.7
≥ 400		45.1	60.0	70.7	78.6	82.4	85.4	87.8	88.5	90.2	91.3	91.3	91.8	92.0	92.6	92.9
≥ 300		45.3	60.4	71.2	79.5	83.4	86.9	90.1	90.9	92.9	94.2	94.4	95.0	95.2	95.8	96.1
≥ 200		45.3	60.4	71.3	79.6	83.5	87.1	90.5	91.7	94.0	95.9	96.3	97.1	97.5	98.3	98.8
≥ 100		45.3	60.4	71.3	79.6	83.5	87.1	90.6	91.8	94.4	96.3	96.9	97.7	98.3	99.3	100.0
≥ 0		45.3	60.4	71.3	79.6	83.5	87.1	90.6	91.8	94.4	96.3	96.9	97.7	98.3	99.3	100.0

TOTAL NUMBER OF OBSERVATIONS 2160

DATA PROCESSING DIVISION  
USAF ETAL  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

4221<sup>st</sup> STATION TAI-CHUNG TAIWAN/CHING CHUAN KANG 69-71 YEARS

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 1/8	≥ 0
NO CEILING		31.2	38.7	42.2	44.7	45.7	46.6	47.2	47.5	48.1	48.2	48.2	48.4	48.5	48.5	49.0
≥ 20000		32.9	41.2	45.9	49.2	50.4	51.6	52.3	52.6	53.3	53.4	53.4	53.6	53.7	53.8	54.4
≥ 18000		32.9	41.2	45.9	49.2	50.4	51.6	52.3	52.6	53.3	53.4	53.4	53.6	53.7	53.8	54.4
≥ 16000		33.0	41.3	46.1	49.3	50.6	51.7	52.4	52.8	53.4	53.5	53.5	53.7	53.8	53.9	54.5
≥ 14000		33.3	41.8	46.6	49.9	51.2	52.3	53.0	53.4	54.0	54.1	54.1	54.3	54.4	54.5	55.1
≥ 12000		35.1	43.6	48.8	52.2	53.6	54.7	55.6	56.0	56.6	56.7	56.7	56.9	57.0	57.1	57.8
≥ 10000		42.8	53.3	59.3	63.3	65.1	66.4	67.3	67.7	68.3	68.4	68.5	68.7	68.8	68.9	69.5
≥ 9000		42.9	53.4	59.5	63.4	65.3	66.5	67.5	67.8	68.5	68.5	68.6	68.8	68.9	69.0	69.7
≥ 8000		49.2	60.6	67.3	72.0	74.1	75.3	76.7	77.1	77.8	77.9	77.9	78.1	78.2	78.3	79.0
≥ 7000		51.1	62.7	69.8	74.6	76.7	78.1	79.3	79.7	80.4	80.5	80.6	80.8	80.9	81.0	81.6
≥ 6000		51.7	63.5	70.7	75.4	77.6	79.0	80.2	80.6	81.3	81.4	81.5	81.7	81.8	81.9	82.5
≥ 5000		52.1	64.1	71.4	76.2	78.4	79.9	81.1	81.5	82.2	82.2	82.3	82.6	82.7	82.8	83.4
≥ 4500		52.2	64.2	71.6	76.3	78.6	80.1	81.3	81.7	82.4	82.5	82.5	82.8	82.8	82.9	83.6
≥ 4000		52.9	65.0	72.4	77.2	79.5	81.0	82.2	82.7	83.4	83.5	83.5	83.7	83.8	83.9	84.6
≥ 3500		53.0	65.1	72.6	77.4	79.7	81.1	82.4	82.8	83.6	83.6	83.7	83.9	84.0	84.1	84.8
≥ 3000		53.4	65.7	73.2	78.0	80.4	81.8	83.1	83.5	84.2	84.4	84.4	84.6	84.7	84.8	85.5
≥ 2500		53.7	66.0	73.7	78.8	81.1	82.6	83.9	84.4	85.1	85.3	85.3	85.5	85.6	85.7	86.4
≥ 2000		53.9	66.3	74.0	79.2	81.5	83.2	84.6	85.0	85.8	86.0	86.1	86.3	86.4	86.5	87.1
≥ 1800		53.9	66.3	74.0	79.2	81.5	83.2	84.6	85.0	85.8	86.0	86.1	86.3	86.4	86.5	87.1
≥ 1500		54.1	66.8	74.5	79.7	82.1	83.8	85.3	85.8	86.6	86.7	86.8	87.0	87.1	87.2	87.9
≥ 1200		55.0	67.9	75.7	81.1	83.6	85.5	87.0	87.4	88.2	88.4	88.4	88.7	88.8	88.8	89.5
≥ 1000		57.0	70.2	78.0	83.6	86.1	88.0	89.5	90.0	90.9	91.0	91.1	91.3	91.4	91.5	92.2
≥ 900		57.4	70.7	78.5	84.1	86.6	88.5	90.1	90.5	91.4	91.6	91.6	91.9	92.0	92.1	92.7
≥ 800		57.9	71.6	79.7	85.3	87.8	89.9	91.4	91.9	92.7	92.9	93.0	93.3	93.4	93.5	94.2
≥ 700		58.0	71.7	80.0	85.6	88.2	90.4	91.9	92.4	93.2	93.4	93.5	93.9	94.0	94.0	94.7
≥ 600		58.2	71.8	80.2	85.9	88.4	90.6	92.2	92.7	93.5	93.7	93.8	94.2	94.3	94.4	95.0
≥ 500		58.9	72.7	81.4	87.4	90.1	92.3	94.0	94.4	95.3	95.5	95.5	95.9	96.0	96.1	96.8
≥ 400		59.3	73.1	82.4	88.6	91.4	93.5	95.4	95.9	96.8	97.0	97.0	97.4	97.5	97.6	98.3
≥ 300		59.3	73.1	82.4	88.7	91.4	93.8	95.8	96.4	97.3	97.4	97.5	97.9	98.1	98.2	98.9
≥ 200		59.3	73.1	82.4	88.7	91.4	93.9	95.9	96.5	97.4	97.6	97.6	98.1	98.3	98.4	99.2
≥ 100		59.3	73.1	82.4	88.7	91.4	93.9	95.9	96.5	97.4	97.6	97.7	98.3	98.4	98.7	99.8
≥ 0		59.3	73.1	82.4	88.7	91.4	93.9	95.9	96.5	97.4	97.6	97.7	98.3	98.4	98.7	100.0

TOTAL NUMBER OF OBSERVATIONS 2232

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

4221R TAI-CHUNG TAIWAN/CHING CHUAN KANG 09-71

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.9	≥.8	≥.7	≥.6	≥.5	≥0
NO CEILING		35.8	43.2	47.8	50.6	51.9	53.1	53.4	53.4	53.0	53.6	53.6	53.6	53.6	53.6	53.6
≥ 20000		38.2	46.3	51.1	54.4	55.9	57.1	57.4	57.5	57.6	57.6	57.6	57.6	57.6	57.6	57.7
≥ 18000		38.2	46.3	51.2	54.4	55.9	57.2	57.5	57.5	57.7	57.7	57.7	57.7	57.7	57.7	57.7
≥ 16000		38.2	46.3	51.2	54.4	55.9	57.2	57.5	57.5	57.7	57.7	57.7	57.7	57.7	57.7	57.7
≥ 14000		38.3	46.5	51.4	54.6	56.2	57.4	57.7	57.7	57.9	57.9	57.9	57.9	57.9	57.9	58.0
≥ 12000		39.5	48.1	53.2	56.5	58.0	59.3	59.5	59.6	59.8	59.8	59.8	59.8	59.8	59.8	59.8
≥ 10000		44.4	53.6	59.0	62.4	63.9	65.3	65.6	65.6	65.8	65.8	65.8	65.8	65.8	65.8	65.8
≥ 9000		45.5	54.7	60.1	63.6	65.1	66.5	66.8	66.8	67.0	67.0	67.0	67.0	67.0	67.0	67.0
≥ 8000		53.5	64.1	70.1	74.2	75.7	77.3	77.7	77.7	77.9	78.0	78.0	78.0	78.0	78.0	78.0
≥ 7000		55.6	66.6	73.0	77.1	78.7	80.3	80.6	80.7	80.9	80.9	80.9	80.9	80.9	80.9	81.0
≥ 6000		56.3	67.5	73.8	78.0	79.5	81.2	81.5	81.6	81.8	81.8	81.8	81.8	81.8	81.8	81.9
≥ 5000		58.0	69.4	76.0	80.1	81.7	83.3	83.7	83.7	83.9	83.9	83.9	83.9	83.9	83.9	84.0
≥ 4500		58.1	69.6	76.2	80.3	81.9	83.5	83.8	83.9	84.1	84.1	84.1	84.1	84.1	84.1	84.2
≥ 4000		58.8	70.3	77.2	81.7	83.4	85.0	85.5	85.5	85.7	85.7	85.7	85.7	85.7	85.7	85.8
≥ 3500		59.5	71.1	78.0	82.5	84.3	85.9	86.3	86.4	86.6	86.6	86.6	86.6	86.6	86.6	86.7
≥ 3000		60.2	71.8	78.8	83.3	85.1	86.8	87.2	87.3	87.5	87.5	87.5	87.5	87.5	87.5	87.5
≥ 2500		60.8	72.5	79.4	84.0	85.8	87.5	87.9	88.0	88.1	88.2	88.2	88.2	88.2	88.2	88.2
≥ 2000		61.1	72.8	79.7	84.3	86.2	87.8	88.2	88.3	88.5	88.5	88.5	88.5	88.5	88.5	88.6
≥ 1800		61.4	73.1	80.0	84.6	86.5	88.1	88.6	88.6	88.8	88.8	88.8	88.8	88.8	88.8	88.9
≥ 1500		62.0	73.8	80.7	85.3	87.2	88.8	89.3	89.3	89.5	89.5	89.5	89.5	89.5	89.5	89.6
≥ 1200		62.6	74.5	81.5	86.3	88.1	89.8	90.3	90.4	90.8	90.8	90.8	90.8	90.8	90.8	90.9
≥ 1000		63.5	75.6	83.0	88.1	89.9	91.6	92.1	92.2	92.6	92.6	92.6	92.6	92.6	92.6	92.7
≥ 900		64.4	76.5	83.9	89.0	90.9	92.6	93.2	93.2	93.7	93.7	93.7	93.7	93.7	93.7	93.8
≥ 800		65.5	77.8	85.5	90.8	92.7	94.5	95.1	95.1	95.6	95.6	95.6	95.6	95.6	95.6	95.6
≥ 700		66.3	78.8	86.9	92.2	94.4	96.3	96.9	96.9	97.3	97.4	97.4	97.4	97.4	97.4	97.4
≥ 600		66.5	79.1	87.3	92.8	95.1	96.9	97.5	97.6	98.0	98.1	98.1	98.1	98.1	98.1	98.1
≥ 500		67.0	79.8	88.0	93.6	96.0	97.9	98.6	98.6	99.0	99.1	99.1	99.1	99.1	99.1	99.1
≥ 400		67.0	79.8	88.1	93.8	96.3	98.1	98.8	98.8	99.3	99.3	99.3	99.3	99.3	99.3	99.4
≥ 300		67.0	79.8	88.2	94.0	96.5	98.4	99.2	99.2	99.6	99.7	99.7	99.7	99.7	99.7	99.8
≥ 200		67.0	79.8	88.2	94.0	96.5	98.4	99.2	99.2	99.6	99.7	99.7	99.7	99.7	99.7	99.8
≥ 100		67.0	79.8	88.2	94.0	96.5	98.4	99.2	99.2	99.6	99.7	99.7	99.7	99.7	99.8	100.0
≥ 0		67.0	79.8	88.2	94.0	96.5	98.4	99.2	99.2	99.6	99.7	99.7	99.7	99.8	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 2160

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/AC

# CEILING VERSUS VISIBILITY

42218 STATION TAI-CHUNG TAI-WAN/CHING CHUAN KANG 69-71 YEARS

PC

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

ALL

CEILING FEET	VISIBILITY - STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ .75	≥ .5	≥ .25	≥ .15	≥ .1	≥ .05	≥ 0
NO CEILING		23.1	29.7	34.0	35.9	36.5	37.1	37.5	37.7	37.8	38.0	38.0	38.2	38.3	38.4	39.0
≥ 20000		23.4	30.5	34.9	36.8	37.4	38.1	38.4	38.7	38.7	38.9	38.9	39.1	39.2	39.3	39.9
≥ 18000		23.4	30.5	34.9	36.8	37.4	38.1	38.4	38.7	38.7	38.9	38.9	39.1	39.2	39.3	39.9
≥ 16000		23.4	30.5	34.9	36.8	37.4	38.1	38.4	38.7	38.7	38.9	38.9	39.1	39.2	39.3	39.9
≥ 14000		23.6	30.8	35.4	37.2	37.9	38.6	38.9	39.2	39.3	39.5	39.5	39.7	39.8	39.9	40.5
≥ 12000		25.1	33.6	38.3	40.2	40.9	41.5	41.9	42.2	42.3	42.5	42.5	42.7	42.8	42.9	43.5
≥ 10000		29.5	39.0	44.4	46.9	47.8	48.7	49.1	49.5	49.5	49.7	49.7	49.9	50.0	50.1	50.7
≥ 9000		30.1	39.8	45.7	48.3	49.4	50.2	50.8	51.1	51.3	51.5	51.5	51.7	51.8	51.9	52.5
≥ 8000		37.7	48.3	55.5	59.3	61.2	62.4	63.6	64.1	64.2	64.5	64.5	64.7	64.9	65.0	65.6
≥ 7000		40.3	51.3	59.0	63.4	65.5	66.8	68.0	68.5	68.6	68.9	68.9	69.2	69.4	69.4	70.0
≥ 6000		41.0	52.4	60.2	64.9	67.0	68.4	69.6	70.1	70.3	70.6	70.6	70.9	71.0	71.1	71.7
≥ 5000		41.7	53.6	61.4	66.1	68.3	69.8	71.1	71.7	71.9	72.3	72.3	72.6	72.7	72.8	73.4
≥ 4500		42.3	54.2	61.9	66.7	68.8	70.3	71.7	72.3	72.4	72.8	72.8	73.1	73.2	73.3	73.9
≥ 4000		42.8	54.7	62.5	67.5	69.7	71.1	72.5	73.1	73.3	73.7	73.7	74.0	74.1	74.2	74.8
≥ 3500		43.3	55.3	63.3	68.3	70.5	72.0	73.3	74.0	74.1	74.5	74.5	74.8	74.9	75.0	75.6
≥ 3000		43.7	55.7	63.8	68.9	71.2	72.6	74.0	74.7	74.8	75.2	75.2	75.5	75.6	75.7	76.3
≥ 2500		44.7	56.8	64.9	70.0	72.3	73.7	75.1	75.8	75.9	76.3	76.3	76.6	76.7	76.8	77.4
≥ 2000		44.8	56.9	65.0	70.1	72.4	73.9	75.3	75.9	76.0	76.4	76.4	76.7	76.9	76.9	77.5
≥ 1800		44.9	57.0	65.1	70.2	72.5	74.0	75.3	76.0	76.1	76.5	76.5	76.8	76.9	77.0	77.6
≥ 1500		45.2	57.4	65.5	70.6	72.9	74.4	75.8	76.4	76.6	77.0	77.0	77.3	77.4	77.5	78.1
≥ 1200		46.5	58.9	67.1	72.3	74.6	76.1	77.4	78.1	78.2	78.6	78.6	78.9	79.0	79.1	79.7
≥ 1000		47.3	59.8	68.3	73.5	75.8	77.3	78.7	79.3	79.5	79.9	79.9	80.1	80.3	80.4	81.0
≥ 900		47.8	60.4	69.0	74.2	76.6	78.2	79.6	80.2	80.3	80.7	80.7	81.0	81.2	81.3	81.9
≥ 800		50.1	63.4	72.2	77.5	80.0	81.5	83.0	83.7	83.8	84.2	84.2	84.5	84.6	84.8	85.4
≥ 700		50.7	64.7	73.7	79.0	81.5	83.1	84.6	85.3	85.5	85.9	85.9	86.1	86.3	86.4	87.0
≥ 600		51.3	65.7	74.9	80.6	83.3	85.1	86.6	87.3	87.5	87.9	87.9	88.3	88.4	88.6	89.2
≥ 500		51.4	66.0	75.6	81.8	84.8	87.4	89.2	90.1	90.3	91.0	91.0	91.4	91.5	91.7	92.3
≥ 400		51.4	66.0	76.0	82.3	85.8	88.8	91.0	92.0	92.3	92.9	92.9	93.3	93.5	93.6	94.3
≥ 300		51.4	66.0	76.0	82.4	86.1	89.4	92.1	93.3	94.1	94.6	94.6	95.2	95.5	95.7	96.3
≥ 200		51.4	66.0	76.1	82.5	86.2	89.6	92.5	93.9	94.9	95.8	95.9	96.8	97.1	97.4	98.6
≥ 100		51.4	66.0	76.1	82.5	86.3	89.7	92.7	94.2	95.3	96.3	96.4	97.7	98.1	98.7	100.0
≥ 0		51.4	66.0	76.1	82.5	86.3	89.7	92.7	94.2	95.3	96.3	96.4	97.7	98.1	98.7	100.0

TOTAL NUMBER OF OBSERVATIONS 2186

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

62214 TAI-CHUNG TAIWAN/CHUNG CHUAN KANG 69-71

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0000-0200

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 9	≥ 8	≥ 7	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2	≥ 1	≥ 1/2	≥ 1/4	≥ 1/8	≥ 1/16	≥ 1/32	≥ 1/64
NO CEILING	22.7	27.8	28.5	30.7	30.7	31.0	31.0	31.0	31.0	31.0	31.0	31.0	31.0	31.4	31.4	32.1
≥ 20000	23.1	28.5	29.2	32.5	32.5	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	33.2	33.2	33.9
≥ 18000	23.1	28.5	29.2	32.5	32.5	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	33.2	33.2	33.9
≥ 16000	23.1	28.5	29.2	32.5	32.5	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	33.2	33.2	33.9
≥ 14000	23.1	28.5	29.2	32.5	32.5	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	33.2	33.2	33.9
≥ 12000	23.1	28.5	29.2	32.5	32.5	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	33.2	33.2	33.9
≥ 10000	28.2	34.7	35.4	38.6	38.6	39.4	39.7	39.7	39.7	39.7	39.7	39.7	39.7	40.1	40.1	40.8
≥ 9000	28.2	34.7	35.4	38.6	38.6	39.4	39.7	39.7	39.7	39.7	39.7	39.7	39.7	40.1	40.1	40.8
≥ 8000	35.0	42.6	44.4	51.3	52.7	53.6	54.5	54.5	55.2	55.2	55.2	55.2	55.2	55.6	55.6	57.4
≥ 7000	35.1	44.4	46.2	54.2	55.6	56.7	57.4	57.4	58.1	58.1	58.1	58.1	58.1	58.5	58.5	60.3
≥ 6000	36.5	45.5	48.0	56.3	57.8	59.6	60.3	60.3	61.0	61.0	61.0	61.0	61.0	61.4	61.7	63.7
≥ 5000	37.5	46.6	49.1	57.4	58.8	60.6	61.4	61.4	62.1	62.1	62.1	62.1	62.1	62.5	62.5	64.3
≥ 4500	37.5	46.6	49.1	57.4	58.8	60.6	61.4	61.4	62.1	62.1	62.1	62.1	62.1	62.5	62.5	64.3
≥ 4000	39.0	48.0	50.5	58.8	60.3	62.8	63.5	63.9	64.6	64.6	64.6	64.6	64.6	65.0	65.0	66.8
≥ 3500	39.0	48.0	50.5	58.8	60.3	62.8	63.5	63.9	64.6	64.6	64.6	64.6	64.6	65.0	65.0	66.8
≥ 3000	40.1	49.1	52.0	60.6	62.5	65.0	65.7	66.1	66.8	66.8	66.8	66.8	66.8	67.1	67.1	69.0
≥ 2500	40.4	49.8	52.7	62.5	65.3	67.9	68.6	69.0	69.7	69.7	69.7	69.7	69.7	70.0	70.0	71.8
≥ 2000	40.4	49.8	52.7	62.5	65.3	67.9	68.6	69.0	69.7	69.7	69.7	69.7	69.7	70.0	70.0	71.8
≥ 1800	40.8	50.2	53.1	62.8	65.7	68.2	69.0	69.3	70.0	70.0	70.0	70.0	70.0	70.4	70.4	72.2
≥ 1500	40.8	50.2	53.1	62.8	65.7	68.2	69.0	69.3	70.0	70.0	70.0	70.0	70.0	70.4	70.4	72.2
≥ 1200	40.8	50.2	53.1	62.8	65.7	68.2	69.0	69.3	70.0	70.0	70.0	70.0	70.0	70.4	70.4	72.2
≥ 1000	41.5	50.9	53.8	63.5	66.4	69.0	69.7	70.0	70.8	71.1	71.1	71.1	71.1	71.5	71.5	73.3
≥ 900	42.6	52.3	55.2	65.0	67.9	70.4	71.1	71.5	72.2	72.6	72.6	72.6	72.6	72.9	72.9	74.7
≥ 800	44.4	55.2	58.1	67.9	70.8	73.3	74.0	74.4	75.1	75.8	75.8	75.8	75.8	76.2	76.2	78.0
≥ 700	47.3	58.5	61.4	71.1	74.0	76.5	77.3	77.6	78.3	79.1	79.1	79.1	79.1	79.4	79.4	81.2
≥ 600	48.4	59.6	63.9	73.6	76.5	79.1	80.1	80.5	81.2	81.9	81.9	81.9	81.9	82.3	82.3	84.1
≥ 500	49.8	61.0	65.7	76.2	79.4	81.9	83.0	83.4	84.1	84.8	84.8	84.8	84.8	85.2	85.2	87.0
≥ 400	49.8	61.0	65.7	77.3	80.9	83.4	84.5	84.8	85.6	86.3	86.3	86.3	86.3	86.6	86.6	88.4
≥ 300	49.8	61.7	66.4	78.7	83.8	86.6	88.4	89.2	89.9	90.6	90.6	90.6	90.6	91.0	91.0	93.1
≥ 200	49.8	61.7	66.4	79.1	85.2	88.1	90.3	91.3	92.1	92.8	93.1	93.1	93.1	94.6	94.6	96.8
≥ 100	49.8	61.7	66.4	79.1	85.2	88.1	90.3	91.3	92.1	92.8	93.1	93.1	93.1	94.6	94.6	96.8
≥ 0	49.8	61.7	66.4	79.1	85.2	88.1	90.3	91.7	92.4	93.1	93.1	93.1	93.1	95.3	95.3	100.0

TOTAL NUMBER OF OBSERVATIONS 277



ATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/TAC

# CEILING VERSUS VISIBILITY

42214 TAI-CHUNG TAI-WAN/CHING CHUAN KANG 69-71

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

0300-0500

CEILING FEET	VISIBILITY STATUTE MILES														
	≥ 10	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ .75	≥ .5	≥ .25	≥ .15	≥ .1	≥ .05	≥ 0
NO CEILING	19.4	22.2	24.7	26.5	26.5	26.5	26.5	26.5	26.5	26.5	26.5	26.5	26.5	26.5	26.5
≥ 20000	19.7	24.0	26.5	28.3	28.3	28.3	28.3	28.3	28.3	28.3	28.3	28.3	28.3	28.3	28.3
≥ 15000	19.7	24.0	26.5	28.3	28.3	28.3	28.3	28.3	28.3	28.3	28.3	28.3	28.3	28.3	28.3
≥ 10000	19.7	24.0	26.5	28.3	28.3	28.3	28.3	28.3	28.3	28.3	28.3	28.3	28.3	28.3	28.3
≥ 4000	19.7	24.0	26.5	28.3	28.3	28.3	28.3	28.3	28.3	28.3	28.3	28.3	28.3	28.3	28.3
≥ 3000	19.7	24.0	26.5	28.3	28.3	28.3	28.3	28.3	28.3	28.3	28.3	28.3	28.3	28.3	28.3
≥ 2000	21.9	27.6	30.1	31.9	32.6	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3
≥ 1500	21.9	27.6	30.1	31.9	32.6	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3
≥ 1000	28.7	36.2	38.7	43.4	44.4	45.2	45.5	45.9	46.6	46.6	47.0	47.0	47.0	47.0	47.0
≥ 800	30.3	38.4	41.6	47.3	48.4	49.1	49.5	49.8	50.5	50.5	50.9	50.9	50.9	50.9	50.9
≥ 600	31.5	39.4	43.4	49.6	51.3	52.3	52.7	53.0	53.8	53.8	54.1	54.1	54.1	54.1	54.1
≥ 500	32.6	40.5	44.4	50.9	52.3	53.4	53.8	54.1	54.8	54.8	55.2	55.2	55.2	55.2	55.2
IV 4500	32.6	40.5	44.4	50.9	52.3	53.4	53.8	54.1	54.8	54.8	55.2	55.2	55.2	55.2	55.2
IV 400	34.4	42.3	46.2	52.7	54.1	55.9	56.3	56.6	57.3	57.3	57.7	57.7	57.7	57.7	57.7
IV 3500	34.8	42.7	46.6	53.0	54.5	56.6	57.0	57.3	58.1	58.1	58.4	58.4	58.4	58.4	58.4
IV 3000	35.8	44.4	48.4	55.9	57.3	59.5	59.9	60.2	61.3	61.3	61.6	61.6	61.6	61.6	61.6
IV 2500	36.2	45.2	49.1	57.3	58.8	60.9	62.0	62.4	63.4	63.4	63.8	63.8	63.8	63.8	63.8
IV 2000	36.2	45.2	49.1	57.3	58.8	60.9	62.0	62.4	63.4	63.4	63.8	63.8	63.8	63.8	63.8
IV 1800	36.2	45.2	49.1	57.3	58.8	60.9	62.0	62.4	63.4	63.4	63.8	63.8	63.8	63.8	63.8
IV 1500	36.2	45.2	49.1	57.3	58.8	60.9	62.0	62.4	63.4	63.4	63.8	63.8	63.8	63.8	63.8
IV 1200	36.9	45.9	49.8	58.1	59.5	61.6	62.7	63.1	64.2	64.2	64.5	64.5	64.5	64.5	64.5
IV 1000	38.0	47.0	50.9	59.1	60.6	63.4	64.5	64.9	65.9	65.9	66.3	66.3	66.3	66.3	66.3
IV 900	39.8	49.1	53.0	62.0	63.4	66.3	67.4	67.7	68.8	68.8	69.2	69.2	69.2	69.2	69.2
IV 800	43.0	52.7	56.6	65.6	67.0	69.9	71.0	71.3	72.4	72.4	72.8	72.8	72.8	72.8	72.8
IV 700	45.9	55.6	59.9	68.8	70.3	73.1	74.2	74.6	75.6	75.6	76.0	76.0	76.0	76.0	76.0
IV 600	46.2	55.9	60.2	69.5	71.0	73.8	76.0	76.2	77.4	77.4	77.8	77.8	77.8	77.8	77.8
IV 500	48.0	58.8	63.4	74.2	76.0	79.2	81.4	81.7	82.8	82.8	83.2	83.2	83.2	83.2	83.2
IV 400	48.0	59.5	64.5	76.2	78.1	81.4	83.5	84.2	85.3	85.3	85.7	85.7	85.7	85.7	85.7
IV 300	48.0	59.5	64.5	76.2	78.1	81.4	83.5	84.2	85.3	85.3	85.7	85.7	85.7	85.7	85.7
IV 200	48.0	59.5	64.5	76.2	78.1	81.4	83.5	84.2	85.3	85.3	85.7	85.7	85.7	85.7	85.7
IV 100	48.0	59.5	64.5	76.2	78.1	81.4	83.5	84.2	85.3	85.3	85.7	85.7	85.7	85.7	85.7
IV 0	48.0	59.5	64.5	76.2	78.1	81.4	83.5	84.2	85.3	85.3	85.7	85.7	85.7	85.7	85.7

TOTAL NUMBER OF OBSERVATIONS 279

AIR FORCE PROCESSING DIVISION  
SAF ETAC  
AIR WEATHER SERVICE/AMC

# CEILING VERSUS VISIBILITY

4221F TAI-CHUNG TAIWAN/CHUNG CHUAN KANG 69-71

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

6400-0820

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥.75	≥.5	≥.25	≥.2	≥.15	≥.1	≥.05
NO CEILING	20.8	23.3	24.7	26.2	26.5	26.9	26.9	26.9	26.9	26.9	26.9	26.9	26.9	26.9	26.9	27.2
≥ 20000	21.1	24.4	25.8	27.6	28.0	28.3	28.3	28.3	28.3	28.3	28.3	28.3	28.3	28.3	28.3	28.7
≥ 6000	21.1	24.4	25.8	27.6	28.0	28.3	28.3	28.3	28.3	28.3	28.3	28.3	28.3	28.3	28.3	28.7
≥ 14000	21.1	24.4	25.8	27.6	28.0	28.3	28.3	28.3	28.3	28.3	28.3	28.3	28.3	28.3	28.3	28.7
≥ 4000	21.1	24.4	25.8	28.0	28.3	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7	29.1
≥ 12000	21.9	25.1	26.5	28.7	29.0	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.7
≥ 5000	23.3	29.0	30.8	33.3	34.1	34.8	34.8	34.8	34.8	35.1	35.1	35.1	35.1	35.1	35.1	35.5
≥ 9000	23.3	29.0	31.2	33.7	34.4	35.1	35.1	35.1	35.1	35.5	35.5	35.5	35.5	35.5	35.5	35.8
≥ 8000	30.1	38.7	41.6	44.8	45.5	46.2	46.2	46.6	47.3	47.7	47.7	47.7	47.7	47.7	48.0	48.4
≥ 7000	31.9	40.5	44.1	47.7	49.5	50.2	50.2	50.9	51.6	52.0	52.0	52.0	52.0	52.0	52.3	52.7
≥ 6000	34.4	44.1	48.4	52.0	54.1	54.8	54.8	55.6	56.3	56.6	56.6	56.6	56.6	56.6	57.0	57.3
≥ 5000	35.1	44.8	49.1	52.7	54.8	55.6	55.6	56.3	57.0	57.3	57.3	57.3	57.3	57.3	57.7	58.1
≥ 4500	35.5	45.2	49.5	53.0	55.2	55.9	55.9	56.6	57.3	57.7	57.7	57.7	57.7	57.7	58.1	58.4
≥ 4000	36.9	47.0	51.3	55.2	57.3	58.8	58.8	59.9	60.6	60.9	60.9	61.3	61.3	61.3	61.6	62.0
≥ 3500	36.9	47.0	51.3	55.6	57.7	59.5	59.5	60.6	61.6	62.0	62.0	62.4	62.4	62.4	62.7	63.1
≥ 3000	38.0	48.4	53.0	58.1	60.6	62.4	62.4	63.4	64.9	65.2	65.2	65.6	65.6	65.6	65.9	66.3
≥ 2500	39.1	49.8	54.5	59.9	62.7	64.5	64.5	66.3	68.1	68.5	68.5	68.8	68.8	68.8	69.2	69.5
≥ 2000	39.8	50.5	55.2	60.6	63.4	65.6	65.6	67.4	69.2	69.5	69.5	69.9	69.9	69.9	70.3	70.6
≥ 1800	39.8	50.5	55.2	60.6	63.4	65.6	65.6	67.4	69.2	69.5	69.5	69.9	69.9	69.9	70.3	70.6
≥ 1500	40.1	50.9	55.6	60.9	63.8	65.9	65.9	67.7	69.5	69.9	69.9	70.3	70.3	70.3	70.6	71.0
≥ 1200	40.5	51.6	56.3	61.6	64.5	66.7	66.7	68.5	70.3	70.6	70.6	71.0	71.0	71.0	71.3	71.7
≥ 1000	41.6	52.7	57.3	62.7	65.6	67.7	67.7	69.5	71.3	71.7	71.7	72.0	72.0	72.0	72.4	72.8
≥ 900	42.3	53.4	58.1	63.8	66.7	68.8	68.8	70.6	73.1	73.5	73.5	73.8	73.8	73.8	74.2	74.6
≥ 800	43.0	54.5	59.5	65.2	68.1	70.3	70.3	72.0	74.6	74.9	74.9	75.6	75.6	75.6	76.0	76.3
≥ 700	44.8	57.0	62.7	69.2	72.0	74.2	74.2	76.0	78.5	78.9	78.9	79.9	79.9	79.9	80.3	80.6
≥ 600	44.8	57.3	63.4	71.0	73.8	76.0	76.3	78.1	80.6	81.0	81.0	82.1	82.1	82.1	82.4	82.8
≥ 500	45.5	58.1	64.5	72.8	75.6	77.9	78.1	79.9	82.4	82.8	82.8	83.9	83.9	83.9	84.2	84.6
≥ 400	46.2	59.5	65.9	75.3	78.1	80.3	81.0	83.2	86.4	86.7	86.7	88.5	88.5	88.5	88.9	89.2
≥ 300	46.2	59.5	65.9	75.3	78.1	80.3	81.0	83.5	86.7	87.5	87.5	89.6	89.6	89.6	90.0	91.0
≥ 200	46.2	59.9	66.3	76.0	78.9	81.0	81.7	84.6	88.2	88.9	88.9	91.8	91.8	91.8	92.5	93.5
≥ 100	46.2	59.9	66.3	76.0	78.9	81.0	81.7	84.6	88.2	88.9	88.9	92.5	92.5	92.5	94.6	97.8
≥ 0	46.2	59.9	66.3	76.0	78.9	81.0	81.7	84.6	88.2	88.9	88.9	92.5	92.5	92.5	94.6	100.0

TOTAL NUMBER OF OBSERVATIONS 279

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

42218  
STATION

TAI-CHUNG TAIWAN/CHING CHUAN KANG 69-71  
STATION NAME

YEARS

JUN  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0900-1100  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5 16	≥ ¼	≥ 0
NO CEILING		21.5	27.2	29.4	30.5	31.5	33.0	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3
≥ 20000		21.9	28.3	30.5	31.5	32.6	34.1	34.4	34.4	34.4	34.4	34.4	34.4	34.4	34.4	34.4
≥ 18000		21.9	28.3	30.5	31.5	32.6	34.1	34.4	34.4	34.4	34.4	34.4	34.4	34.4	34.4	34.4
≥ 16000		21.9	28.3	30.5	31.5	32.6	34.1	34.4	34.4	34.4	34.4	34.4	34.4	34.4	34.4	34.4
≥ 14000		22.6	29.0	31.2	32.3	33.3	34.8	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1
≥ 1200		23.7	31.9	33.5	36.6	37.6	39.1	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4
≥ 10000		27.2	39.4	43.4	45.2	46.6	48.4	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7
≥ 9000		28.3	40.5	44.8	47.0	48.4	50.2	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5
≥ 8000		35.5	51.6	55.9	58.8	60.9	63.1	63.4	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8
≥ 7000		36.2	53.0	58.1	60.9	63.4	65.6	66.7	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
≥ 6000		36.2	53.4	59.1	62.4	65.2	67.7	68.8	69.5	69.9	69.9	69.9	69.9	69.9	69.9	69.9
≥ 5000		36.2	53.4	59.1	62.4	65.2	68.1	69.5	70.3	70.6	70.6	70.6	70.6	70.6	70.6	70.6
≥ 4500		36.6	53.8	59.5	62.7	65.6	68.5	69.9	71.0	71.3	71.3	71.3	71.3	71.3	71.3	71.3
≥ 4000		38.7	56.3	62.0	65.2	68.1	71.3	72.8	73.8	74.2	74.6	74.6	74.6	74.6	74.6	74.6
≥ 3500		38.7	56.3	62.0	65.2	68.5	71.7	73.1	74.2	74.9	75.3	75.3	75.3	75.3	75.3	75.3
≥ 3000		39.1	56.6	62.4	65.6	68.8	72.4	74.2	75.6	76.3	76.7	76.7	76.7	76.7	76.7	76.7
≥ 2500		39.1	56.6	62.4	66.3	69.5	73.1	74.9	76.3	77.1	77.4	77.4	77.4	77.4	77.4	77.4
≥ 2000		39.1	56.6	62.4	66.7	69.9	73.5	75.3	76.7	77.4	77.8	77.8	77.8	77.8	77.8	77.8
≥ 1800		39.1	56.6	62.4	66.7	69.9	73.5	75.3	76.7	77.4	77.8	77.8	77.8	77.8	77.8	77.8
≥ 1500		39.4	57.0	62.7	67.7	71.0	74.6	76.3	77.8	78.5	78.9	78.9	78.9	78.9	78.9	78.9
≥ 1200		39.4	57.0	62.7	68.1	71.7	75.3	77.1	78.5	79.2	79.9	79.9	79.9	79.9	79.9	79.9
≥ 1000		42.3	60.2	66.3	71.7	75.3	78.9	80.6	82.1	82.8	83.5	83.5	83.5	83.5	83.5	83.5
≥ 900		42.3	60.6	66.7	72.0	75.6	79.2	81.4	82.8	83.5	84.2	84.2	84.2	84.2	84.2	84.2
≥ 800		42.3	63.4	70.6	76.0	79.6	83.2	85.3	86.7	87.5	88.2	88.2	88.2	88.2	88.2	88.2
≥ 700		42.3	64.5	71.7	77.1	80.6	84.6	86.7	88.2	88.9	89.6	89.6	89.6	89.6	89.6	89.6
≥ 600		42.3	64.5	72.8	78.1	81.7	85.7	87.8	89.2	90.0	90.7	90.7	90.7	90.7	90.7	90.7
≥ 500		43.4	65.6	73.8	79.6	83.5	87.8	90.0	91.4	92.5	93.2	93.2	93.2	93.2	93.2	93.2
≥ 400		43.4	65.6	74.2	80.6	84.6	89.2	91.8	93.2	94.6	95.3	95.3	95.3	95.3	95.3	95.3
≥ 300		43.4	65.6	74.2	80.6	84.9	89.6	92.1	93.9	95.7	96.4	96.4	96.4	96.4	96.4	96.4
≥ 200		43.4	65.6	74.2	80.6	84.9	89.6	92.1	93.9	95.7	96.4	96.4	96.4	96.4	96.4	96.4
≥ 100		43.4	65.6	74.2	80.6	84.9	89.6	92.1	93.9	95.7	96.4	96.4	96.4	96.4	96.4	96.4
≥ 0		43.4	65.6	74.2	80.6	84.9	89.6	92.1	93.9	95.7	96.4	96.4	97.5	97.5	97.8	100.0

TOTAL NUMBER OF OBSERVATIONS

279

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

4221R TAI-CHUNG TAIWAN/CHING CHUAN KANG 69-71

JAN

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1200-1400

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1½	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1	≥ 0
NO CEILING		33.7	38.0	39.8	40.1	41.2	41.6	41.6	41.6	41.6	41.9	41.9	41.9	41.9	41.9	41.9
≥ 20000		34.4	39.4	41.2	41.6	42.7	43.0	43.0	43.0	43.0	43.4	43.4	43.4	43.4	43.4	43.4
≥ 18000		34.4	39.4	41.2	41.6	42.7	43.0	43.0	43.0	43.0	43.4	43.4	43.4	43.4	43.4	43.4
≥ 16000		34.4	39.4	41.2	41.6	42.7	43.0	43.0	43.0	43.0	43.4	43.4	43.4	43.4	43.4	43.4
≥ 14000		35.8	40.9	42.7	43.0	44.1	44.4	44.4	44.4	44.4	44.8	44.8	44.8	44.8	44.8	44.8
≥ 12000		39.1	46.6	48.4	48.7	49.8	50.2	50.2	50.2	50.2	50.5	50.5	50.5	50.5	50.5	50.5
≥ 10000		42.7	55.2	58.1	59.5	60.6	60.9	60.9	60.9	60.9	61.3	61.3	61.3	61.3	61.3	61.3
≥ 9000		42.7	55.2	58.1	59.5	60.6	60.9	60.9	60.9	60.9	61.3	61.3	61.3	61.3	61.3	61.3
≥ 8000		46.6	60.6	65.6	68.1	69.9	70.6	70.6	70.6	70.6	71.3	71.3	71.3	71.3	71.3	71.3
≥ 7000		48.0	63.8	69.2	72.8	74.6	75.6	75.6	76.0	76.0	76.7	76.7	76.7	76.7	76.7	76.7
≥ 6000		49.1	64.9	70.3	73.8	75.6	77.1	77.8	78.1	78.1	78.9	78.9	78.9	78.9	78.9	78.9
≥ 5000		49.1	64.9	70.3	73.8	76.0	77.4	78.1	78.5	78.5	79.2	79.2	79.2	79.2	79.2	79.2
≥ 4500		49.1	64.9	70.3	73.8	76.0	77.4	78.1	78.5	78.5	79.2	79.2	79.2	79.2	79.2	79.2
≥ 4000		50.5	67.0	72.4	76.0	78.1	79.6	80.3	80.6	81.0	81.7	81.7	81.7	81.7	81.7	81.7
≥ 3500		50.5	67.0	72.4	76.0	78.1	79.6	80.3	80.6	81.0	81.7	81.7	81.7	81.7	81.7	81.7
≥ 3000		50.9	67.4	72.8	76.3	78.5	79.9	80.6	81.0	81.4	82.1	82.1	82.1	82.1	82.1	82.1
≥ 2500		50.9	67.4	72.8	76.3	78.5	79.9	80.6	81.0	81.4	82.1	82.1	82.1	82.1	82.1	82.1
≥ 2000		50.9	67.7	73.1	76.7	79.2	80.6	81.4	81.7	82.1	82.8	82.8	82.8	82.8	82.8	82.8
≥ 1800		50.9	67.7	73.1	76.7	79.2	80.6	81.4	81.7	82.1	82.8	82.8	82.8	82.8	82.8	82.8
≥ 1500		52.3	70.3	75.6	79.2	81.7	83.2	83.9	84.2	84.6	85.3	85.3	85.3	85.3	85.3	85.3
≥ 1200		54.5	73.5	78.9	82.8	85.3	86.7	87.5	87.8	88.2	88.9	88.9	88.9	88.9	88.9	88.9
≥ 1000		55.2	74.9	80.3	84.6	87.5	88.9	89.6	90.0	90.3	91.0	91.0	91.0	91.0	91.0	91.0
≥ 900		55.6	75.3	80.6	84.9	87.8	89.2	90.0	90.3	90.7	91.4	91.4	91.4	91.4	91.4	91.4
≥ 800		55.6	76.3	82.4	86.7	89.6	91.0	91.8	92.1	92.5	93.2	93.2	93.2	93.2	93.2	93.2
≥ 700		55.9	76.7	83.2	87.5	90.3	91.8	92.5	92.8	93.2	93.9	93.9	93.9	93.9	93.9	93.9
≥ 600		56.3	77.1	83.5	87.8	90.7	92.5	93.2	93.5	93.9	94.6	94.6	94.6	94.6	94.6	94.6
≥ 500		56.3	77.1	83.5	88.2	91.4	93.2	93.9	94.3	94.6	95.3	95.3	95.3	95.3	95.3	95.3
≥ 400		57.0	78.1	84.9	89.6	92.8	95.0	95.7	96.1	96.8	97.5	97.5	97.5	97.5	97.5	97.5
≥ 300		57.0	78.1	84.9	89.6	92.8	95.0	95.7	96.1	96.8	97.5	97.5	97.5	97.5	97.5	97.5
≥ 200		57.0	78.1	84.9	89.6	92.8	95.0	95.7	96.1	96.8	97.5	97.5	97.5	97.5	97.5	97.5
≥ 100		57.0	78.1	84.9	89.6	92.8	95.0	95.7	96.1	96.8	97.5	97.5	97.5	97.5	97.5	97.5
≥ 0		57.0	78.1	84.9	89.6	92.8	95.0	95.7	96.1	96.8	97.5	97.5	97.5	97.5	97.5	97.5

TOTAL NUMBER OF OBSERVATIONS

279

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

4221R  
STATION

TAI-CHUNG TAIWAN/CHING CHUAN KANG 69-71  
STATION NAME

YEARS

1500-1700  
HOURS

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1500-1700  
HOURS

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 1/8	≥ 0
NO CEILING		31.2	38.4	38.7	39.8	39.8	39.8	39.8	39.8	39.8	39.8	39.8	39.8	39.8	39.8	39.8
≥ 20000		31.9	40.1	40.5	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6
≥ 18000		31.9	40.1	40.5	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6
≥ 16000		31.9	40.1	40.5	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6
≥ 14000		32.3	40.9	41.2	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3
≥ 12000		35.8	45.9	46.2	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3
≥ 10000		43.7	50.6	58.1	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9
≥ 9000		43.7	50.6	58.1	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9
≥ 8000		48.0	63.4	66.7	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2
≥ 7000		49.8	65.6	69.5	72.0	72.0	72.0	72.0	72.0	72.0	72.4	72.4	72.4	72.4	72.4	72.4
≥ 6000		53.0	68.8	73.1	76.3	76.3	76.3	76.3	76.3	76.7	77.1	77.1	77.1	77.1	77.1	77.1
≥ 5000		53.0	68.8	73.1	76.3	76.3	76.3	76.3	76.3	76.7	77.1	77.1	77.1	77.1	77.1	77.1
IV 4500		53.0	68.8	73.1	76.3	76.3	76.3	76.3	76.3	76.7	77.1	77.1	77.1	77.1	77.1	77.1
IV 4000		54.1	69.9	74.2	77.4	77.4	77.4	77.4	77.4	77.8	78.1	78.1	78.1	78.1	78.1	78.1
IV 3500		54.1	69.9	74.2	77.4	77.4	78.1	78.1	78.5	78.9	78.9	78.9	78.9	78.9	78.9	78.9
IV 3000		54.5	70.3	74.9	78.5	78.5	79.2	79.2	79.6	79.9	79.9	79.9	79.9	80.3	80.3	80.3
IV 2500		54.8	70.6	75.3	78.9	78.9	79.6	79.6	79.9	80.3	80.6	80.6	81.0	81.0	81.0	81.0
IV 2000		55.6	71.7	76.3	79.9	79.9	80.6	80.6	81.0	81.4	81.7	81.7	82.1	82.1	82.1	82.1
IV 1800		55.6	71.7	76.3	79.9	79.9	80.6	80.6	81.0	81.4	81.7	81.7	82.1	82.1	82.1	82.1
IV 1500		57.0	73.8	78.5	82.1	82.1	82.8	82.8	83.2	83.5	83.9	83.9	84.2	84.2	84.2	84.2
IV 1200		58.1	74.9	79.6	83.5	83.9	84.9	84.9	85.3	85.7	86.0	86.0	86.4	86.4	86.4	86.4
IV 1000		58.4	75.3	79.9	83.9	84.2	85.3	85.3	85.7	86.0	86.4	86.4	86.7	86.7	86.7	86.7
IV 900		59.1	76.0	80.6	84.6	84.9	86.0	86.0	86.4	86.7	87.1	87.1	87.5	87.5	87.5	87.5
IV 800		59.1	76.0	81.0	84.9	85.3	86.4	86.4	86.7	87.1	87.5	87.5	87.8	87.8	87.8	87.8
IV 700		59.9	76.7	82.1	86.0	86.4	88.2	88.2	88.5	88.9	89.2	89.2	89.6	89.6	89.6	89.6
IV 600		60.2	77.4	83.2	87.1	87.5	89.2	89.2	89.6	90.0	90.3	90.3	90.7	90.7	90.7	90.7
IV 500		60.9	78.9	84.6	88.9	89.6	91.4	92.1	92.5	92.8	93.2	93.2	93.9	93.9	93.9	93.9
IV 400		60.9	78.9	86.0	91.0	92.1	93.9	94.6	95.0	95.3	95.7	95.7	96.4	96.4	96.8	96.8
IV 300		60.9	78.9	86.0	91.0	92.1	94.3	95.0	95.3	95.7	96.1	96.1	96.8	96.8	97.1	97.1
IV 200		60.9	78.9	86.0	91.0	92.1	94.3	95.0	95.3	96.1	96.4	96.4	98.2	98.2	98.6	98.6
IV 100		60.9	78.9	86.0	91.0	92.1	94.3	95.0	95.3	96.4	96.8	96.8	98.6	98.6	99.3	100.0
IV 0		60.9	78.9	86.0	91.0	92.1	94.3	95.0	95.3	96.4	96.8	96.8	98.6	98.6	99.3	100.0

TOTAL NUMBER OF OBSERVATIONS 279

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

42218 TAI-CHUNG TAIWAN/CHING CHUAN KANG 69-71

JAN

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1800-2000

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ .75	≥ .5	≥ .25	≥ .16	≥ .1	≥ 0	
NO CEILING		30.1	33.3	35.1	38.4	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7
≥ 20000		30.8	34.1	35.8	39.1	39.4	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5
≥ 18000		30.8	34.1	35.8	39.1	39.4	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5
≥ 16000		30.8	34.1	35.8	39.1	39.4	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5
≥ 14000		30.8	34.1	35.8	39.1	39.4	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5
≥ 12000		32.3	35.5	37.3	40.5	40.9	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7
≥ 10000		38.0	42.3	44.1	47.3	48.0	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5
≥ 9000		38.7	43.0	44.8	48.0	48.7	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3
≥ 8000		43.7	52.7	54.8	59.9	60.9	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2
≥ 7000		47.3	57.0	59.1	64.2	65.2	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5
≥ 6000		48.7	58.8	60.9	65.9	67.0	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
≥ 5000		49.1	59.5	62.0	67.4	68.5	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
≥ 4500		49.1	59.9	62.4	68.5	69.9	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8
≥ 4000		49.1	59.9	62.4	68.5	69.9	73.8	73.8	73.8	74.6	74.6	74.6	74.6	74.6	74.6	74.6
≥ 3500		49.1	59.9	62.4	68.5	69.9	73.8	73.8	73.8	74.9	74.9	74.9	74.9	74.9	74.9	74.9
≥ 3000		49.1	60.2	62.7	68.8	71.7	75.6	75.6	75.6	76.7	76.7	76.7	76.7	76.7	76.7	76.7
≥ 2500		49.1	60.2	62.7	69.5	72.4	76.3	76.3	76.3	77.4	77.4	77.4	77.4	77.4	77.4	77.4
≥ 2000		49.1	60.2	62.7	69.5	72.4	76.3	76.3	76.3	77.4	77.4	77.4	77.4	77.4	77.4	77.4
≥ 1800		49.1	60.2	62.7	69.5	72.4	76.3	76.3	76.3	77.4	77.4	77.4	77.4	77.4	77.4	77.4
≥ 1500		49.5	61.3	63.8	70.6	73.5	77.4	77.4	77.4	78.5	78.5	78.5	78.5	78.5	78.5	78.5
≥ 1200		49.5	61.3	63.8	70.6	73.5	77.4	77.4	77.4	78.5	78.5	78.5	78.5	78.5	78.5	78.5
≥ 1000		50.5	62.4	64.9	71.7	74.6	78.5	78.5	78.5	79.6	79.6	79.6	79.6	79.6	79.6	79.6
≥ 900		50.9	62.7	65.6	72.8	75.6	79.6	79.6	79.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6
≥ 800		50.9	62.7	65.6	73.1	76.3	80.3	80.3	80.3	81.4	81.4	81.4	81.4	81.4	81.4	81.4
≥ 700		52.0	63.8	66.7	74.2	77.4	81.4	81.7	81.7	82.8	82.8	83.2	83.2	83.2	83.2	83.2
≥ 600		52.7	65.2	68.1	75.6	79.2	83.5	83.9	83.9	84.9	84.9	85.3	85.3	85.3	85.3	85.3
≥ 500		52.7	65.6	68.5	76.3	80.3	84.9	85.3	85.3	86.7	86.7	87.1	87.1	87.1	87.1	87.1
≥ 400		52.7	65.6	69.2	77.1	81.4	86.0	87.1	87.1	88.5	88.5	88.9	88.9	88.9	88.9	88.9
≥ 300		52.7	65.9	69.5	77.4	82.8	88.5	89.6	89.6	91.8	91.8	92.1	92.5	92.5	92.5	92.5
≥ 200		52.7	66.7	70.3	78.1	83.5	89.6	91.0	91.8	95.3	96.1	96.4	97.5	97.5	97.5	97.5
≥ 100		52.7	66.7	70.3	78.1	83.5	89.6	91.0	91.8	95.7	96.4	97.1	98.6	98.9	98.9	99.6
≥ 0		52.7	66.7	70.3	78.1	83.5	89.6	91.0	91.8	95.7	96.4	97.1	98.6	98.9	98.9	100.0

TOTAL NUMBER OF OBSERVATIONS 279

2

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/4AC

## CEILING VERSUS VISIBILITY

4221R TAI-CHING TAIWAN/CHING CHUAN KANG 69-71  
STATION STATION NAME YEARS

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

2100-2300  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1.4	≥ 1	≥ .5	≥ .4	≥ .3	≥ .25	≥ .2	≥ 0
NO CEILING		24.7	33.7	33.7	34.4	35.5	36.2	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.9
≥ 20000		30.5	34.4	34.4	35.1	36.2	38.0	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.7
≥ 18000		30.5	34.4	34.4	35.1	36.2	38.0	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.7
≥ 16000		30.5	34.4	34.4	35.1	36.2	38.0	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.7
≥ 14000		30.5	34.4	34.4	35.1	36.2	38.0	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.7
≥ 12000		30.8	34.8	34.8	35.8	36.9	38.7	39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.4
≥ 10000		36.2	42.7	44.1	45.2	46.2	48.0	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.7
≥ 9000		36.6	43.0	44.4	45.5	46.6	48.4	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	49.1
≥ 8000		44.1	52.3	54.5	58.4	60.2	62.7	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.4
≥ 7000		45.9	54.5	56.6	61.6	63.4	65.9	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.7
≥ 6000		47.3	57.0	59.1	64.5	66.3	68.8	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.5
≥ 5000		48.7	58.4	60.6	65.9	67.7	70.3	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	71.0
≥ 4500		48.7	59.1	61.3	66.7	68.5	71.0	71.3	71.3	71.7	71.7	71.7	71.7	71.7	71.7	72.0
≥ 4000		49.1	59.5	61.6	67.0	70.3	72.8	73.5	73.8	74.2	74.2	74.2	74.6	74.6	74.6	74.9
≥ 3500		49.5	59.9	62.0	67.4	71.0	73.5	74.2	74.6	74.9	74.9	74.9	75.3	75.3	75.3	75.6
≥ 3000		49.5	60.2	62.4	67.7	71.7	74.2	74.9	75.3	75.6	75.6	75.6	76.0	76.0	76.0	76.3
≥ 2500		49.5	60.2	62.4	68.5	72.4	74.9	75.6	76.0	76.3	76.3	76.3	76.7	76.7	76.7	77.1
≥ 2000		49.5	60.2	62.4	68.5	72.4	74.9	75.6	76.0	76.3	76.3	76.3	76.7	76.7	76.7	77.1
≥ 1800		49.5	60.2	62.4	68.5	72.4	74.9	75.6	76.0	76.3	76.3	76.3	76.7	76.7	76.7	77.1
≥ 1500		49.5	60.2	62.4	68.5	72.4	74.9	75.6	76.0	76.3	76.3	76.3	76.7	76.7	76.7	77.1
≥ 1200		50.2	60.9	63.1	69.2	73.1	75.6	76.3	76.7	77.1	77.1	77.1	77.4	77.4	77.4	77.8
≥ 1000		50.2	60.9	63.1	69.2	73.1	75.6	76.3	76.7	77.1	77.1	77.1	77.4	77.4	77.4	77.8
≥ 900		50.2	60.9	63.1	69.5	73.5	76.0	76.7	77.1	77.4	77.4	77.4	77.8	77.8	77.8	78.1
≥ 800		50.2	60.9	63.4	70.3	74.2	76.7	77.4	77.8	78.1	78.1	78.1	78.5	78.5	78.5	78.9
≥ 700		53.4	64.5	67.0	74.2	78.1	81.0	81.7	82.1	82.4	82.4	82.4	82.8	82.8	82.8	83.2
≥ 600		53.4	64.5	67.7	74.9	78.9	82.1	82.8	83.2	83.5	83.5	83.5	83.9	83.9	83.9	84.2
≥ 500		53.8	65.2	68.5	76.0	79.9	83.5	84.2	84.6	84.9	84.9	84.9	85.3	85.3	85.3	85.7
≥ 400		53.8	65.2	68.5	76.0	80.3	83.9	84.6	84.9	85.7	85.7	85.7	86.0	86.0	86.0	86.4
≥ 300		53.8	65.2	69.2	76.7	81.0	85.7	86.7	87.5	88.5	88.5	88.5	89.2	89.2	89.6	90.0
≥ 200		53.8	65.6	69.5	77.1	81.7	86.7	88.9	90.0	92.5	92.5	92.5	94.6	94.6	95.7	96.1
≥ 100		53.8	65.6	69.5	77.1	82.1	87.1	89.2	90.3	93.2	93.2	93.9	96.4	96.4	97.8	100.0
≥ 0		53.8	65.6	69.5	77.1	82.1	87.1	89.2	90.3	93.2	93.9	93.9	96.4	96.4	97.8	100.0

TOTAL NUMBER OF OBSERVATIONS 279

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

42218 TAI-CHUNG TAIWAN/CHING CHUAN KANG 69-71

FEH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0000-0200  
HOURS, LST

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥.5	≥.5	≥.5	≥.5	≥.5	≥.5	≥.5
NO CEILING		18.7	23.8	26.6	27.8	30.6	31.3	32.1	32.9	32.9	32.9	32.9	32.9	33.7	33.7	35.3
≥ 20000		18.7	23.8	26.6	27.8	30.6	31.3	32.1	32.9	32.9	32.9	32.9	32.9	33.7	33.7	35.3
≥ 18000		18.7	23.8	26.6	27.8	30.6	31.3	32.1	32.9	32.9	32.9	32.9	32.9	33.7	33.7	35.3
≥ 16000		18.7	23.8	26.6	27.8	30.6	31.3	32.1	32.9	32.9	32.9	32.9	32.9	33.7	33.7	35.3
≥ 14000		18.7	23.8	26.6	27.8	30.6	31.3	32.1	32.9	32.9	32.9	32.9	32.9	33.7	33.7	35.3
≥ 12000		18.7	23.8	27.0	29.0	31.7	32.5	33.3	34.1	34.1	34.1	34.1	34.1	34.9	34.9	36.5
≥ 10000		21.0	26.6	31.0	33.7	36.9	37.7	38.5	39.3	39.3	39.3	39.3	39.3	40.1	40.1	41.7
≥ 9000		21.0	26.6	31.0	33.7	36.9	37.7	38.5	39.3	39.3	39.3	39.3	39.3	40.1	40.1	41.7
≥ 8000		27.8	34.9	39.7	42.5	46.0	47.6	48.4	50.4	50.4	50.4	50.4	50.4	51.2	51.2	52.8
≥ 7000		31.3	39.3	44.8	48.0	51.6	53.0	54.4	56.3	56.3	56.3	56.3	56.3	57.1	57.1	58.7
≥ 6000		31.7	40.5	46.0	49.2	52.8	54.8	55.6	57.5	57.5	57.5	57.5	57.5	58.3	58.3	59.9
≥ 5000		33.7	42.9	48.4	51.6	55.2	57.1	57.9	59.9	59.9	59.9	59.9	59.9	60.7	60.7	62.3
≥ 4500		34.9	44.0	49.6	52.8	56.3	58.3	59.1	61.1	61.1	61.1	61.1	61.1	61.9	61.9	63.5
≥ 4000		35.3	44.4	50.0	53.2	56.7	58.7	59.5	61.5	61.5	61.5	61.5	61.5	62.7	62.7	64.3
≥ 3500		37.3	46.4	52.0	55.2	58.7	60.7	61.5	63.5	63.5	63.5	63.5	63.5	64.7	64.7	66.3
≥ 3000		38.1	47.2	52.8	56.0	59.5	61.5	62.3	64.3	64.3	64.3	64.3	64.3	65.5	65.5	67.1
≥ 2500		38.1	47.2	52.8	57.9	61.5	63.5	64.3	66.3	66.3	66.3	66.3	66.3	67.5	67.5	69.0
≥ 2000		38.1	47.2	52.8	58.3	62.3	64.3	65.1	67.1	67.1	67.1	67.1	67.1	68.3	68.3	69.8
≥ 1800		38.1	47.2	52.8	58.3	62.3	64.3	65.1	67.1	67.1	67.1	67.1	67.1	68.3	68.3	69.8
≥ 1500		38.1	47.2	52.8	58.3	62.3	64.3	65.1	67.1	67.1	67.1	67.1	67.1	68.3	68.3	69.8
≥ 1200		39.7	48.8	54.4	59.9	63.9	65.9	66.7	68.7	69.0	69.0	69.0	69.0	69.8	69.8	71.4
≥ 1000		40.5	49.6	55.2	60.7	64.7	66.7	67.5	69.5	69.8	69.8	69.8	69.8	70.6	70.6	72.2
≥ 900		42.1	51.2	56.7	63.5	67.5	69.8	70.6	72.6	73.0	73.0	73.0	73.0	73.8	73.8	75.4
≥ 800		42.9	52.0	57.5	64.3	68.3	70.6	71.4	73.4	73.8	73.8	73.8	73.8	74.6	74.6	76.2
≥ 700		43.3	52.4	57.9	65.1	69.4	71.8	72.6	74.6	75.0	75.0	75.0	75.0	75.8	75.8	77.4
≥ 600		43.3	54.4	60.3	67.5	71.8	74.2	75.0	77.0	77.4	77.4	77.4	77.4	78.2	78.2	79.8
≥ 500		43.3	54.4	60.7	68.3	72.6	76.2	77.4	79.4	79.8	79.8	79.8	79.8	80.6	80.6	82.1
≥ 400		43.3	54.4	60.7	69.4	73.8	78.2	79.8	82.1	82.9	82.9	82.9	82.9	83.7	83.7	85.3
≥ 300		43.3	55.2	61.5	70.2	75.0	79.4	81.0	83.3	84.1	84.1	84.1	84.1	84.9	84.9	86.5
≥ 200		43.3	55.2	61.5	70.2	75.0	80.2	81.7	84.1	85.7	85.7	85.7	85.7	86.5	86.5	88.1
≥ 100		43.3	55.2	61.5	70.2	75.0	80.2	81.7	84.1	85.7	85.7	85.7	85.7	86.5	86.5	88.1
≥ 0		43.3	55.2	61.5	70.2	75.0	80.2	81.7	84.1	85.7	85.7	85.7	85.7	86.5	86.5	88.1

TOTAL NUMBER OF OBSERVATIONS 222



DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

42218 STATION TAI-CHUNG TAIWAN/CHING CHUAN KANG 69-71

YEARS MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0300-0500  
HOURS CET

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1.4	≥ 1	≥ .9	≥ .8	≥ .7	≥ .6	≥ .5	≥ 0
NO CEILING		19.4	24.2	26.6	26.6	28.6	29.0	29.0	29.4	29.4	29.4	29.4	29.4	29.8	30.2	31.7
≥ 20000		19.4	24.2	26.6	26.6	28.6	29.0	29.0	29.4	29.4	29.4	29.4	29.4	29.8	30.2	31.7
≥ 18000		19.4	24.2	26.6	26.6	28.6	29.0	29.0	29.4	29.4	29.4	29.4	29.4	29.8	30.2	31.7
≥ 16000		19.4	24.2	26.6	26.6	28.6	29.0	29.0	29.4	29.4	29.4	29.4	29.4	29.8	30.2	31.7
≥ 14000		19.4	24.2	26.6	26.6	28.6	29.0	29.0	29.4	29.4	29.4	29.4	29.4	29.8	30.2	31.7
≥ 12000		19.4	24.2	26.6	26.6	28.6	29.0	29.0	29.4	29.4	29.4	29.4	29.4	29.8	30.2	31.7
≥ 10000		22.2	27.4	29.8	29.8	31.7	32.1	32.1	32.5	32.5	32.5	32.5	32.5	32.9	33.3	34.9
≥ 9000		22.2	27.4	29.8	29.8	31.7	32.1	32.1	32.5	32.5	32.5	32.5	32.5	32.9	33.3	34.9
≥ 8000		29.0	35.7	38.1	38.9	42.1	42.5	43.7	44.8	44.8	45.2	45.2	45.2	45.6	46.0	47.6
≥ 7000		32.1	39.7	43.3	44.0	47.2	48.8	50.0	51.2	51.2	51.6	51.6	52.0	52.4	52.4	54.0
≥ 6000		32.1	39.7	43.3	44.0	47.2	48.8	50.0	51.2	51.2	51.6	51.6	52.0	52.4	52.4	54.0
≥ 5000		32.9	40.5	44.0	45.2	48.8	50.4	51.6	52.8	52.8	53.2	53.2	53.6	54.0	54.0	55.6
≥ 4500		32.9	40.5	44.0	45.2	48.8	50.4	51.6	52.8	52.8	53.2	53.2	53.6	54.0	54.0	55.6
≥ 4000		34.9	42.9	46.4	47.6	51.2	52.8	54.0	55.2	55.2	55.6	55.6	56.0	56.3	56.3	57.9
≥ 3500		36.5	44.4	48.0	49.2	52.8	54.4	55.6	56.7	56.7	57.1	57.1	57.5	57.9	57.9	59.5
≥ 3000		37.7	45.6	49.2	50.4	54.0	55.6	56.7	57.9	57.9	58.3	58.3	58.7	59.1	59.1	60.7
≥ 2500		37.7	46.4	50.0	51.6	55.2	56.7	57.9	59.1	59.1	59.5	59.5	59.9	60.3	60.3	61.9
≥ 2000		37.7	46.8	50.4	52.0	55.6	57.1	58.3	59.5	59.5	59.9	59.9	60.3	60.7	60.7	62.3
≥ 1800		37.7	46.8	50.4	52.0	55.6	57.1	58.3	59.5	59.5	59.9	59.9	60.3	60.7	60.7	62.3
≥ 1500		38.1	47.2	50.8	52.4	56.3	57.9	59.1	60.3	60.3	60.7	60.7	61.1	61.5	61.5	63.1
≥ 1200		39.3	48.4	52.4	54.4	58.3	60.7	61.9	63.1	63.1	63.5	63.5	63.9	64.3	64.3	65.9
≥ 1000		40.1	49.2	53.2	55.2	59.1	61.5	62.7	63.9	63.9	64.3	64.3	64.7	65.1	65.1	66.7
≥ 900		41.3	50.4	54.4	56.3	60.3	62.7	63.9	65.1	65.1	65.5	65.5	65.9	66.3	66.3	67.9
≥ 800		41.3	50.4	54.4	56.3	60.3	62.7	63.9	65.1	65.1	65.5	65.5	65.9	66.3	66.3	67.9
≥ 700		41.3	51.2	55.2	58.7	62.7	65.1	66.3	67.5	67.5	67.9	67.9	68.3	68.7	68.7	70.2
≥ 600		42.1	53.6	57.5	61.5	66.3	69.0	70.2	71.4	71.4	71.8	71.8	72.2	72.6	72.6	74.2
≥ 500		42.1	53.6	58.3	63.5	68.3	71.8	73.0	74.2	74.2	74.6	74.6	75.0	75.4	75.4	77.0
≥ 400		42.1	53.6	58.3	63.5	68.3	71.8	73.0	74.2	74.2	74.6	74.6	75.0	75.4	75.4	77.0
≥ 300		42.1	54.0	58.7	66.3	74.2	77.8	81.0	82.1	82.1	82.5	82.5	82.9	83.3	83.3	84.9
≥ 200		42.1	54.0	58.7	66.3	74.2	77.8	81.0	82.1	82.1	82.5	82.5	82.9	83.3	83.3	84.9
≥ 100		42.1	54.0	58.7	66.3	74.2	77.8	81.0	82.1	82.1	82.5	82.5	82.9	83.3	83.3	84.9
≥ 0		42.1	54.0	58.7	66.3	74.2	77.8	81.0	82.1	82.1	82.5	82.5	82.9	83.3	83.3	84.9

TOTAL NUMBER OF OBSERVATIONS 252

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

42215 TAI-CHUNG TAIWAN/CHING CHUAN KANG 69-71  
STATION STATION NAME YEARS

FEH  
M. 1964

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0600-0700  
HOURS

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1.4	≥ 1	≥ .5	≥ .4	≥ .3	≥ .25	≥ .2	≥ 0
NO CEILING		21.4	25.4	26.2	28.2	28.6	28.6	29.4	29.4	29.8	30.6	30.6	31.0	31.0	31.0	34.1
≥ 20000		21.4	25.8	26.6	28.6	29.0	29.0	29.8	29.8	30.2	31.0	31.0	31.3	31.3	31.3	34.5
≥ 18000		21.4	25.8	26.6	28.6	29.0	29.0	29.8	29.8	30.2	31.0	31.0	31.3	31.3	31.3	34.5
≥ 16000		21.4	25.8	26.6	28.6	29.0	29.0	29.8	29.8	30.2	31.0	31.0	31.3	31.3	31.3	34.5
≥ 14000		21.4	25.8	26.6	28.6	29.0	29.0	29.8	29.8	30.2	31.0	31.0	31.3	31.3	31.3	34.5
≥ 12000		21.4	25.8	27.4	29.8	30.2	30.2	31.0	31.0	31.3	32.1	32.1	32.5	32.5	32.5	35.7
≥ 10000		23.8	28.2	29.8	32.1	32.5	32.5	33.3	33.3	33.7	34.5	34.5	34.9	34.9	34.9	38.1
≥ 9000		23.8	28.2	30.2	32.9	33.3	33.3	34.1	34.1	34.5	35.7	35.7	36.1	36.5	36.5	39.7
≥ 8000		26.6	32.5	34.9	38.5	39.3	40.1	41.3	41.7	42.1	43.3	43.3	44.0	44.4	44.4	47.6
≥ 7000		27.4	34.5	37.7	41.3	42.1	42.9	44.0	44.4	44.8	46.0	46.0	46.8	47.2	47.6	50.8
≥ 6000		27.8	35.7	39.7	43.3	44.0	44.8	46.0	46.4	46.8	48.0	48.0	48.8	49.2	49.6	52.8
≥ 5000		29.0	36.9	41.3	45.2	46.0	47.6	49.6	50.0	50.4	51.6	51.6	52.4	52.8	53.2	56.3
≥ 4500		29.0	36.9	41.3	45.2	46.0	47.6	49.6	50.0	50.4	51.6	51.6	52.4	52.8	53.2	56.3
≥ 4000		31.0	39.7	44.0	48.0	48.8	50.8	52.8	53.2	53.6	54.8	54.8	55.6	56.0	56.3	59.5
≥ 3500		31.7	41.3	45.6	49.6	50.4	52.4	54.4	54.8	55.2	56.3	56.3	57.5	57.9	58.3	61.5
≥ 3000		32.1	42.1	46.4	50.4	51.2	53.6	55.6	56.0	56.3	57.5	57.5	58.7	59.1	59.5	62.7
≥ 2500		33.7	44.0	48.4	52.4	53.2	56.0	57.9	58.3	58.7	59.9	59.9	61.9	62.3	62.7	65.9
≥ 2000		34.9	45.2	49.6	53.6	54.4	57.1	59.1	59.5	59.9	61.1	61.1	63.1	63.5	63.9	67.1
≥ 1800		34.9	45.2	49.6	53.6	54.4	57.1	59.1	59.5	59.9	61.1	61.1	63.1	63.5	63.9	67.1
≥ 1500		35.3	45.6	50.0	54.4	55.2	57.9	59.9	60.3	60.7	61.9	61.9	63.9	64.3	64.7	67.9
≥ 1200		36.9	47.2	52.8	57.5	58.7	62.7	64.7	65.5	65.9	67.1	67.1	69.0	69.4	69.8	73.0
≥ 1000		37.3	47.6	53.2	57.9	59.1	63.1	65.1	65.9	66.3	67.5	67.5	69.4	69.8	70.2	73.4
≥ 900		37.3	47.6	53.2	57.9	59.1	63.1	65.1	65.9	66.3	67.5	67.5	69.4	69.8	70.2	73.4
≥ 800		37.3	47.6	53.2	57.9	59.1	63.1	65.1	65.9	66.3	67.5	67.5	69.4	69.8	70.2	73.4
≥ 700		37.3	48.0	53.6	60.7	62.3	67.1	69.0	69.8	70.2	71.4	71.4	73.4	73.8	74.6	77.8
≥ 600		38.1	48.8	54.4	62.3	64.7	69.4	71.4	72.2	72.6	73.8	73.8	75.8	76.2	77.0	80.2
≥ 500		38.1	48.8	54.8	63.1	65.5	70.2	72.2	73.0	73.4	74.6	74.6	76.6	77.0	77.8	81.7
≥ 400		38.1	48.8	54.8	63.5	66.7	71.4	74.2	75.0	76.2	77.8	77.8	80.2	81.0	82.1	85.3
≥ 300		38.1	50.4	56.3	65.1	68.3	73.4	76.6	77.8	79.0	80.6	80.6	84.1	85.3	86.5	89.7
≥ 200		38.1	50.4	56.3	65.1	68.3	74.2	77.8	79.0	80.6	83.3	83.7	87.3	89.3	90.5	94.0
≥ 100		38.1	50.4	56.3	65.1	68.3	74.2	77.8	79.0	80.6	83.3	83.7	87.7	89.7	94.0	98.8
≥ 0		38.1	50.4	56.3	65.1	68.3	74.2	77.8	79.0	80.6	83.3	83.7	87.7	89.7	94.0	100.0

TOTAL NUMBER OF OBSERVATIONS 252

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

42218 TAI-CHUNG TAIWAN/CHING CHUAN KANG 69-71

FFR

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0900-1100

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ .75	≥ .5	≥ .25	≥ .15	≥ .1	≥ .05	≥ 0
NO CEILING	24.2	31.7	35.7	38.9	40.1	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	41.3	42.9
≥ 20000	24.2	31.7	35.7	38.9	40.1	40.5	40.5	40.9	40.9	40.9	40.9	40.9	40.9	40.9	41.7	43.3
≥ 18000	24.2	31.7	35.7	38.9	40.1	40.5	40.5	40.9	40.9	40.9	40.9	40.9	40.9	40.9	41.7	43.3
≥ 16000	24.2	31.7	35.7	38.9	40.1	40.5	40.5	40.9	40.9	40.9	40.9	40.9	40.9	40.9	41.7	43.3
≥ 14000	24.6	32.1	36.1	39.3	40.5	40.9	40.9	41.3	41.3	41.3	41.3	41.3	41.3	41.3	42.1	43.7
≥ 12000	25.4	34.5	38.5	41.7	42.9	43.3	43.3	43.7	43.7	43.7	43.7	43.7	44.0	44.0	44.8	46.4
≥ 10000	29.4	40.1	44.4	48.0	49.2	49.6	49.6	50.0	50.4	50.4	50.4	50.4	50.8	50.8	51.6	53.2
≥ 9000	29.4	40.1	45.2	49.2	50.4	50.8	50.8	51.2	52.4	52.4	52.4	52.4	52.8	52.8	53.6	55.2
≥ 8000	35.7	48.8	54.4	59.5	62.3	63.5	63.5	63.9	65.1	65.1	65.1	65.1	65.5	65.5	66.3	67.9
≥ 7000	36.1	49.6	56.0	61.1	63.9	65.1	65.1	65.5	66.7	66.7	66.7	66.7	67.1	67.1	67.9	69.4
≥ 6000	36.5	50.0	56.3	61.5	64.3	65.9	65.9	66.3	67.5	67.5	67.5	67.5	67.9	67.9	68.7	70.2
≥ 5000	36.5	50.4	56.7	61.9	64.7	66.3	66.3	66.7	67.9	67.9	67.9	67.9	68.3	68.3	69.0	70.6
≥ 4500	37.3	52.0	58.3	63.5	66.3	67.9	67.9	68.3	69.4	69.4	69.4	69.4	69.8	69.8	70.6	72.2
≥ 4000	39.3	54.0	60.3	65.5	68.3	69.8	69.8	70.2	71.4	71.4	71.4	71.4	71.8	71.8	72.6	74.2
≥ 3500	40.1	54.8	61.1	66.3	69.0	70.6	70.6	71.0	72.2	72.2	72.2	72.2	72.6	72.6	73.4	75.0
≥ 3000	40.9	55.6	63.1	68.7	71.4	73.4	73.4	73.8	75.0	75.0	75.0	75.0	75.4	75.4	76.2	77.8
≥ 2500	42.5	57.1	64.7	70.2	73.0	75.0	75.0	75.4	76.6	76.6	76.6	76.6	77.0	77.0	77.8	79.4
≥ 2000	43.3	57.9	65.5	71.0	74.2	76.2	76.2	76.6	77.8	77.8	77.8	77.8	78.2	78.2	79.0	80.6
≥ 1800	43.3	57.9	65.5	71.0	74.2	76.2	76.2	76.6	77.8	77.8	77.8	77.8	78.2	78.2	79.0	80.6
≥ 1500	43.3	57.9	65.5	71.0	74.2	76.2	76.2	76.6	77.8	77.8	77.8	77.8	78.2	78.2	79.0	80.6
≥ 1200	44.0	58.7	66.3	71.8	75.0	77.4	77.4	78.2	79.8	79.8	79.8	79.8	80.2	80.2	81.0	82.5
≥ 1000	44.0	58.7	66.3	71.8	75.4	78.2	78.2	79.0	80.6	80.6	80.6	80.6	81.0	81.0	81.7	83.3
≥ 900	44.0	58.7	66.3	71.8	75.4	78.2	78.2	79.0	80.6	80.6	80.6	80.6	81.0	81.0	81.7	83.3
≥ 800	44.0	59.9	68.3	73.8	77.8	81.0	81.0	81.7	83.3	83.3	83.3	83.3	83.7	83.7	84.5	86.1
≥ 700	44.0	59.9	68.3	75.0	79.0	82.1	82.1	82.9	84.5	84.5	84.5	84.5	85.3	85.3	86.1	87.7
≥ 600	44.4	60.3	69.0	77.0	81.7	84.9	84.9	85.7	87.3	87.3	87.3	87.3	88.1	88.1	88.9	90.5
≥ 500	44.4	60.7	69.8	78.6	84.5	88.1	88.1	88.9	90.9	91.3	91.3	91.3	91.7	91.7	92.5	94.0
≥ 400	44.4	60.7	70.2	79.0	84.9	88.5	88.5	89.0	91.1	92.5	92.9	92.9	93.3	93.3	94.0	95.6
≥ 300	44.4	60.7	70.2	79.0	84.9	88.5	88.5	89.0	91.1	92.5	92.9	92.9	93.3	93.3	94.0	95.6
≥ 200	44.4	60.7	70.2	79.0	84.9	88.5	88.5	89.0	91.1	92.5	92.9	92.9	93.3	93.3	94.0	95.6
≥ 100	44.4	60.7	70.2	79.0	84.9	88.5	88.5	89.0	91.1	92.5	92.9	92.9	93.3	93.3	94.0	95.6
≥ 0	44.4	60.7	70.2	79.0	84.9	88.5	88.5	89.0	91.1	92.5	92.9	92.9	93.3	93.3	94.0	95.6

TOTAL NUMBER OF OBSERVATIONS 252

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/TAC

# CEILING VERSUS VISIBILITY

42218 TAI-CHUNG TAI-AN/CHING CHUAN KANG 69-71

FEB

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1200-1400

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.9	≥.8	≥.7	≥.6	≥.5	≥.4
NO CEILING		36.3	44.0	50.0	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8
≥ 20000		37.3	45.2	51.2	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0
≥ 18000		37.3	45.2	51.2	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0
≥ 16000		37.3	45.2	51.2	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0
≥ 14000		37.3	45.2	51.2	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0
≥ 12000		40.1	48.8	54.8	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5
≥ 10000		43.3	52.8	58.7	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5
≥ 9000		43.3	52.8	58.7	62.3	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7
≥ 8000		46.0	57.5	63.5	67.1	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5
≥ 7000		48.4	59.9	65.9	69.4	69.8	69.8	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2
≥ 6000		50.8	62.3	68.3	71.8	72.2	72.2	72.6	72.6	72.6	73.0	73.0	73.0	73.0	73.0	73.0
≥ 5000		50.8	62.3	68.3	71.8	72.2	72.2	72.6	72.6	72.6	73.0	73.0	73.0	73.0	73.0	73.0
≥ 4500		51.2	62.7	68.7	72.2	72.6	72.6	73.0	73.0	73.0	73.4	73.4	73.4	73.4	73.4	73.4
≥ 4000		52.4	63.9	69.8	73.4	73.8	73.8	74.2	74.2	74.2	74.6	74.6	74.6	74.6	74.6	74.6
≥ 3500		52.8	64.3	70.2	73.8	74.2	74.2	74.6	74.6	74.6	75.0	75.0	75.0	75.0	75.0	75.0
≥ 3000		53.2	65.1	71.8	75.4	75.8	75.8	76.2	76.2	76.2	76.6	77.0	77.0	77.0	77.0	77.0
≥ 2500		53.2	65.5	72.2	75.8	76.2	76.2	76.6	76.6	77.0	77.4	77.4	77.4	77.4	77.4	77.4
≥ 2000		53.2	66.3	73.0	76.6	77.0	77.0	77.4	77.4	77.8	78.2	78.2	78.2	78.2	78.2	78.2
≥ 1800		53.2	66.3	73.0	76.6	77.0	77.0	77.4	77.4	77.8	78.2	78.2	78.2	78.2	78.2	78.2
≥ 1500		53.2	66.3	73.0	76.6	77.0	77.0	77.4	77.4	77.8	78.2	78.2	78.2	78.2	78.2	78.2
≥ 1200		54.4	68.3	75.0	78.6	79.0	79.0	79.4	79.4	79.8	80.2	80.2	80.2	80.2	80.2	80.2
≥ 1000		54.4	68.3	75.0	78.6	79.0	79.0	79.4	79.4	79.8	80.2	80.2	80.2	80.2	80.2	80.2
≥ 900		54.4	68.3	75.0	78.6	79.0	79.0	79.4	79.4	79.8	80.2	80.2	80.2	80.2	80.2	80.2
≥ 800		55.2	69.4	77.4	81.7	82.9	82.9	83.3	83.3	83.7	84.1	84.1	84.1	84.1	84.1	84.1
≥ 700		55.2	70.2	79.0	85.7	86.9	86.9	87.3	87.3	87.7	88.1	88.1	88.1	88.1	88.1	88.1
≥ 600		55.6	71.4	80.2	88.1	89.3	89.3	89.7	89.7	90.9	91.3	91.3	91.3	91.3	91.3	91.3
≥ 500		55.6	71.4	81.0	90.1	92.1	92.1	92.5	92.5	94.8	95.2	95.2	95.6	95.6	96.0	96.0
≥ 400		55.6	71.4	81.0	90.1	92.5	92.5	92.9	94.4	96.4	96.8	96.8	97.2	97.2	97.6	98.0
≥ 300		55.6	71.4	81.3	90.5	92.9	92.9	93.3	94.8	96.8	97.2	97.2	97.6	97.6	98.0	98.4
≥ 200		55.6	71.4	81.3	90.5	92.9	92.9	93.7	95.2	97.2	97.6	97.6	98.0	98.0	98.4	98.8
≥ 100		55.6	71.4	81.3	90.5	93.3	93.3	94.0	95.6	97.6	98.0	98.4	99.2	99.2	99.6	100.0
≥ 0		55.6	71.4	81.3	90.5	93.3	93.3	94.0	95.6	97.6	98.0	98.4	99.2	99.2	99.6	100.0

TOTAL NUMBER OF OBSERVATIONS 252

DATA PROCESSING DIVISION  
USAF ETAL  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

42214 TAI-CHUNG TAIWAN/CHING CHUAN KANG 69-71

PER

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1500-1700

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥.5	≥.4	≥.3	≥.25	≥.2	≥.15	≥.1
NO CEILING		46.0	50.0	50.4	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	51.2
≥ 20000		46.4	50.4	50.8	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.6
≥ 18000		46.8	50.8	51.2	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	52.0
≥ 16000		46.8	50.8	51.2	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	52.0
≥ 14000		46.8	50.8	51.2	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	52.0
≥ 12000		50.0	54.0	54.4	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	55.2
≥ 10000		51.6	55.6	56.3	56.7	56.7	57.3	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	58.3
≥ 9000		51.6	55.6	56.7	57.1	57.9	58.7	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.5
≥ 8000		55.0	61.9	63.1	63.5	64.3	65.1	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.9
≥ 7000		57.9	65.9	67.1	67.5	68.3	69.0	69.4	69.4	69.8	69.8	69.8	69.8	69.8	69.8	70.2
≥ 6000		58.7	66.7	68.3	68.7	69.4	70.2	70.6	70.6	71.0	71.0	71.0	71.0	71.0	71.0	71.4
≥ 5000		58.7	66.7	68.3	68.7	69.4	70.2	70.6	71.0	71.4	71.4	71.4	71.4	71.4	71.4	71.8
≥ 4500		58.7	66.7	68.3	68.7	69.4	70.2	70.6	71.0	71.4	71.4	71.4	71.4	71.4	71.4	71.8
≥ 4000		58.7	66.7	68.3	69.4	70.6	71.4	71.8	72.2	72.6	72.6	72.6	72.6	72.6	72.6	73.0
≥ 3500		59.1	67.1	68.7	69.8	71.0	71.8	72.2	72.6	73.0	73.0	73.0	73.0	73.0	73.0	73.4
≥ 3000		59.9	69.0	71.0	72.2	73.4	74.2	74.6	75.0	75.4	75.4	75.4	75.4	75.4	75.4	75.8
≥ 2500		60.3	69.8	71.8	73.0	74.2	75.0	75.4	75.8	76.2	76.2	76.2	76.2	76.2	76.2	76.6
≥ 2000		60.7	70.2	72.2	73.4	75.4	76.2	76.6	77.0	77.4	77.4	77.4	77.4	77.4	77.4	77.8
≥ 1800		60.7	70.6	72.6	73.8	75.8	76.6	77.0	77.4	77.8	77.8	77.8	77.8	77.8	77.8	78.2
≥ 1500		61.5	71.4	73.4	75.0	77.0	77.8	78.2	78.6	79.0	79.0	79.0	79.0	79.0	79.0	79.4
≥ 1200		61.9	72.6	74.6	76.2	78.2	79.4	79.8	80.2	80.6	80.6	80.6	80.6	80.6	80.6	81.0
≥ 1000		61.9	73.0	75.0	76.6	78.6	79.8	80.2	80.6	81.0	81.0	81.0	81.0	81.0	81.0	81.3
≥ 900		61.9	73.0	75.0	76.6	78.6	79.8	80.2	80.6	81.0	81.0	81.0	81.0	81.0	81.0	81.3
≥ 800		62.3	73.8	76.2	78.2	80.2	81.3	81.7	82.1	82.9	82.9	82.9	82.9	82.9	82.9	83.3
≥ 700		62.3	74.2	76.6	78.6	81.0	82.1	82.5	82.9	83.7	83.7	83.7	83.7	83.7	83.7	84.1
≥ 600		62.3	74.6	77.0	80.2	82.9	84.3	84.9	85.3	86.1	86.1	86.1	86.1	86.1	86.1	86.5
≥ 500		62.3	75.0	78.6	82.1	85.3	87.7	88.1	88.5	89.3	90.1	90.1	90.1	90.1	90.1	90.5
≥ 400		62.3	75.0	78.6	82.1	85.3	87.7	88.5	89.3	90.1	90.1	90.1	90.1	90.1	90.1	90.5
≥ 300		62.3	75.0	78.6	82.1	85.3	88.1	88.9	89.7	90.5	91.3	91.3	91.3	91.3	91.3	91.7
≥ 200		62.3	75.0	78.6	82.1	85.3	88.9	89.7	90.5	91.3	92.1	92.1	92.1	92.1	92.1	92.5
≥ 100		62.3	75.0	78.6	82.1	85.3	88.9	89.7	90.5	91.3	92.1	92.1	92.1	92.1	92.1	92.5
≥ 0		62.3	75.0	78.6	82.1	85.3	88.9	89.7	90.5	91.3	92.1	92.1	92.1	92.1	92.1	92.5

TOTAL NUMBER OF OBSERVATIONS 252

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/TAC

# CEILING VERSUS VISIBILITY

42213 TAI-CHUNG TAINAN/CHUNG CHUAN KANG 69-71

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1000-2000

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ .75	≥ .5	≥ .25	≥ .15	≥ .1	≥ .05	≥ 0
NO CEILING	29.5	32.7	33.9	34.7	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1
≥ 20000	30.3	33.5	34.7	35.5	37.8	37.8	37.8	38.2	38.2	38.2	38.2	38.2	38.2	38.2	38.2	38.2
≥ 18000	30.3	33.5	34.7	35.5	37.8	37.8	37.8	38.2	38.2	38.2	38.2	38.2	38.2	38.2	38.2	38.2
≥ 16000	30.7	33.9	35.1	35.9	38.2	38.2	38.2	38.6	38.6	38.6	38.6	38.6	38.6	38.6	38.6	38.6
≥ 14000	30.7	35.1	36.3	37.1	39.4	39.4	39.4	39.8	39.8	39.8	39.8	39.8	39.8	39.8	39.8	39.8
≥ 12000	32.3	36.7	37.8	39.0	41.4	41.4	41.8	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2
≥ 10000	33.1	38.6	40.6	41.8	44.6	45.0	45.4	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8
≥ 9500	33.1	38.6	40.6	41.8	44.6	45.0	45.4	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8
≥ 9000	37.8	45.4	48.2	50.6	54.2	54.6	55.0	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4
≥ 8500	40.6	48.2	51.4	53.8	57.4	57.8	58.2	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6
≥ 8000	41.0	49.4	52.6	55.4	59.0	59.4	59.8	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2
≥ 7500	42.2	51.4	54.6	57.8	61.4	62.5	62.9	63.3	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7
≥ 7000	42.2	52.2	55.4	58.6	62.2	63.3	63.7	64.1	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5
≥ 6500	42.2	52.2	55.4	58.6	62.2	63.3	63.7	64.1	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5
≥ 6000	42.2	52.2	55.4	58.6	62.2	63.3	63.7	64.1	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5
≥ 5500	43.8	53.8	57.0	60.2	63.7	64.9	65.3	65.7	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1
≥ 5000	43.8	53.8	57.0	60.2	63.7	64.9	65.3	65.7	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1
≥ 4500	43.8	53.8	57.0	60.2	63.7	64.9	65.3	65.7	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1
≥ 4000	43.8	53.8	57.0	60.2	63.7	64.9	65.3	65.7	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1
≥ 3500	43.8	53.8	57.0	60.2	63.7	64.9	65.3	65.7	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1
≥ 3000	43.8	53.8	57.0	60.2	63.7	64.9	65.3	65.7	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1
≥ 2500	43.8	53.8	57.0	60.2	63.7	64.9	65.3	65.7	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1
≥ 2000	43.8	53.8	57.0	60.2	63.7	64.9	65.3	65.7	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1
≥ 1800	43.8	53.8	57.0	60.2	63.7	64.9	65.3	65.7	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1
≥ 1600	43.8	53.8	57.0	60.2	63.7	64.9	65.3	65.7	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1
≥ 1400	43.8	53.8	57.0	60.2	63.7	64.9	65.3	65.7	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1
≥ 1200	43.8	53.8	57.0	60.2	63.7	64.9	65.3	65.7	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1
≥ 1000	43.8	53.8	57.0	60.2	63.7	64.9	65.3	65.7	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1
≥ 900	43.8	53.8	57.0	60.2	63.7	64.9	65.3	65.7	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1
≥ 800	43.8	53.8	57.0	60.2	63.7	64.9	65.3	65.7	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1
≥ 700	43.8	53.8	57.0	60.2	63.7	64.9	65.3	65.7	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1
≥ 600	43.8	53.8	57.0	60.2	63.7	64.9	65.3	65.7	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1
≥ 500	43.8	53.8	57.0	60.2	63.7	64.9	65.3	65.7	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1
≥ 400	43.8	53.8	57.0	60.2	63.7	64.9	65.3	65.7	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1
≥ 300	43.8	53.8	57.0	60.2	63.7	64.9	65.3	65.7	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1
≥ 200	43.8	53.8	57.0	60.2	63.7	64.9	65.3	65.7	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1
≥ 100	43.8	53.8	57.0	60.2	63.7	64.9	65.3	65.7	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1
≥ 0	43.8	53.8	57.0	60.2	63.7	64.9	65.3	65.7	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1

TOTAL NUMBER OF OBSERVATIONS 291

DATA PROCESSING DIVISION  
 SAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

42215 TAI-CHUNG TAIWAN/CHING CHUAN KANG 69-71

REF

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

2100-2300

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ .75	≥ .5	≥ .25	≥ .15	≥ .1	≥ .05	≥ 0
NO CEILING	22.2	27.0	29.4	31.3	32.5	32.9	33.3	33.7	33.7	34.1	34.1	34.5	34.9	34.9	36.5	
≥ 20000	22.2	27.0	29.4	31.3	32.5	32.9	33.3	33.7	33.7	34.1	34.1	34.5	34.9	34.9	36.5	
≥ 18000	22.2	27.0	29.4	31.3	32.5	32.9	33.3	33.7	33.7	34.1	34.1	34.5	34.9	34.9	36.5	
≥ 16000	22.2	27.0	29.4	31.3	32.5	32.9	33.3	33.7	33.7	34.1	34.1	34.5	34.9	34.9	36.5	
≥ 14000	22.2	27.0	29.4	31.3	32.5	32.9	33.3	33.7	33.7	34.1	34.1	34.5	34.9	34.9	36.5	
≥ 12000	23.4	28.2	30.6	32.9	34.1	34.5	34.9	35.3	35.7	36.5	36.5	36.9	37.3	37.3	38.9	
≥ 10000	26.2	32.5	35.7	38.1	39.3	39.7	40.1	40.5	40.9	41.7	41.7	42.1	42.5	42.5	44.0	
≥ 9000	26.2	32.5	35.7	38.1	39.3	39.7	40.1	40.5	40.9	41.7	41.7	42.1	42.5	42.5	44.0	
≥ 8000	33.7	41.7	45.6	49.2	50.8	51.2	51.6	52.8	53.2	54.0	54.0	54.4	54.8	54.8	56.3	
≥ 7000	35.3	44.0	48.4	52.8	54.4	54.8	55.2	56.3	56.7	57.5	57.5	57.9	58.3	58.3	59.9	
≥ 6000	35.7	44.8	49.2	54.0	56.3	56.7	57.1	58.3	58.7	59.5	59.5	59.9	60.3	60.3	61.9	
≥ 5000	36.1	45.6	50.0	55.2	57.5	57.9	58.3	59.5	59.9	61.1	61.1	61.5	61.9	61.9	63.5	
≥ 4500	36.1	46.8	51.2	56.3	58.7	59.1	59.5	60.7	61.1	62.3	62.3	62.7	63.1	63.1	64.7	
≥ 4000	37.3	48.0	52.4	57.5	59.9	60.3	60.7	61.9	62.3	63.5	63.5	63.9	64.3	64.3	65.9	
≥ 3500	37.3	48.0	52.4	57.9	60.3	60.7	61.1	62.3	62.7	63.9	63.9	64.3	64.7	64.7	66.3	
≥ 3000	38.5	49.2	53.6	59.1	61.5	61.9	62.3	63.5	63.9	65.1	65.1	65.5	65.9	65.9	67.5	
≥ 2500	39.3	50.0	55.2	61.5	64.3	64.7	65.1	66.3	66.7	67.9	67.9	68.3	68.7	68.7	70.2	
≥ 2000	39.3	50.0	55.2	61.5	65.5	65.9	66.3	67.5	67.9	69.0	69.0	69.4	69.8	69.8	71.4	
≥ 1800	39.3	50.0	55.2	61.5	65.5	65.9	66.3	67.5	67.9	69.0	69.0	69.4	69.8	69.8	71.4	
≥ 1500	40.1	50.8	56.0	62.3	66.3	66.7	67.1	68.3	68.7	69.8	69.8	70.2	70.6	70.6	72.2	
≥ 1200	40.1	50.8	56.0	62.3	66.3	66.7	67.1	68.3	68.7	69.8	69.8	70.2	70.6	70.6	72.2	
≥ 1000	40.5	51.2	56.3	62.7	66.7	67.1	67.5	68.7	69.0	70.2	70.2	70.6	71.0	71.0	72.6	
≥ 900	41.7	52.4	57.5	63.9	67.9	68.3	68.7	69.8	70.2	71.4	71.4	71.8	72.2	72.2	73.8	
≥ 800	43.7	54.4	59.5	65.9	69.8	70.2	70.6	71.8	72.2	73.4	73.4	73.8	74.2	74.2	75.8	
≥ 700	44.4	55.6	60.7	67.1	71.0	71.4	71.8	73.0	73.4	74.6	74.6	75.0	75.4	75.4	77.0	
≥ 600	44.4	56.7	62.3	68.7	72.6	73.0	73.4	74.6	75.0	76.2	76.2	76.6	77.0	77.0	78.6	
≥ 500	44.4	56.7	63.1	70.6	75.4	76.2	76.6	77.8	78.6	79.8	79.8	80.2	80.6	80.6	82.1	
≥ 400	44.4	56.7	63.1	71.0	75.8	77.4	79.8	81.3	82.5	83.7	83.7	84.1	84.5	84.5	86.1	
≥ 300	44.4	56.7	63.1	71.0	76.2	78.2	81.3	83.7	85.3	86.5	86.5	86.9	87.3	87.3	88.9	
≥ 200	44.4	56.7	63.1	71.0	77.0	79.4	82.9	85.7	88.1	89.7	89.7	90.9	91.3	91.3	93.3	
≥ 100	44.4	56.7	63.1	71.0	77.0	79.4	82.9	86.1	88.5	90.9	91.3	93.3	94.0	94.0	97.6	
≥ 0	44.4	56.7	63.1	71.0	77.0	79.4	82.9	86.1	88.5	90.9	91.3	93.3	94.4	94.4	100.0	

TOTAL NUMBER OF OBSERVATIONS 252

DATA PROCESSING DIVISION  
SAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

42218 TAI-CHUNG TAIWAN/CHING CHUAN KANG 69-71

AR

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0000-0700

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥.5	≥.25	≥.2	≥.15	≥.1	≥.05	≥.01
NO CEILING		9.0	10.0	12.9	17.9	19.0	20.4	20.4	20.4	20.4	20.4	20.4	20.4	20.4	20.4	20.4
≥ 20000		9.0	11.1	14.0	19.0	20.1	21.5	21.5	21.5	21.5	21.5	21.5	21.5	21.5	21.5	21.5
≥ 18000		9.0	11.1	14.0	19.0	20.1	21.5	21.5	21.5	21.5	21.5	21.5	21.5	21.5	21.5	21.5
≥ 16000		9.0	11.1	14.0	19.0	20.1	21.5	21.5	21.5	21.5	21.5	21.5	21.5	21.5	21.5	21.5
≥ 14000		9.3	11.5	14.3	19.7	20.8	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.4
≥ 12000		10.0	12.2	15.1	20.8	21.9	23.3	23.3	23.7	23.7	23.7	23.7	23.7	23.7	23.7	24.0
≥ 10000		10.4	13.6	16.8	22.9	24.0	25.4	25.8	26.2	26.2	26.2	26.2	26.2	26.2	26.2	26.5
≥ 9000		11.1	14.3	17.6	23.7	24.7	26.2	26.5	26.9	26.9	26.9	26.9	26.9	26.9	26.9	27.2
≥ 8000		12.9	16.1	19.4	26.5	28.0	29.7	30.1	30.8	30.8	30.8	30.8	30.8	30.8	30.8	31.2
≥ 7000		14.0	17.6	20.8	28.0	29.4	31.2	31.5	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.6
≥ 6000		14.7	18.3	21.5	28.7	30.1	31.9	32.3	33.0	33.0	33.0	33.0	33.0	33.0	33.0	33.3
≥ 5000		17.6	21.5	25.1	32.6	34.1	35.8	36.2	36.9	36.9	36.9	36.9	36.9	36.9	36.9	37.3
≥ 4500		17.6	21.5	25.1	32.6	34.1	35.8	36.2	36.9	36.9	36.9	36.9	36.9	36.9	36.9	37.3
≥ 4000		18.6	24.0	27.6	36.2	37.6	39.4	39.8	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.9
≥ 3500		19.4	25.4	29.0	37.6	39.4	41.2	41.6	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.7
≥ 3000		20.8	27.2	31.2	39.8	41.6	43.4	43.7	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.9
≥ 2500		21.9	29.7	33.7	42.3	44.1	45.9	46.2	48.7	48.7	48.7	48.7	48.7	48.7	48.7	49.1
≥ 2000		22.9	31.5	35.8	45.5	47.7	49.5	49.8	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.7
≥ 1800		23.3	31.9	36.2	45.9	48.0	49.8	50.5	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.4
≥ 1500		23.3	31.9	36.2	45.9	48.0	49.8	50.5	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.4
≥ 1200		23.3	31.9	36.2	46.2	48.7	50.5	51.3	53.8	53.8	53.8	53.8	53.8	53.8	53.8	54.1
≥ 1000		24.4	33.0	37.3	47.3	49.8	51.6	52.3	54.8	54.8	54.8	54.8	54.8	54.8	54.8	55.2
≥ 900		24.4	34.8	39.1	49.1	51.6	53.4	54.1	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.3
≥ 800		25.1	35.8	40.1	50.9	53.4	55.2	55.9	58.8	59.1	59.1	59.1	59.1	59.1	59.1	59.5
≥ 700		26.2	37.3	41.6	53.0	55.6	58.1	59.1	62.0	62.4	62.4	62.4	62.4	62.4	62.4	62.7
≥ 600		26.5	38.0	43.4	55.6	59.9	62.7	63.8	66.7	67.0	67.0	67.0	67.0	67.0	67.0	67.4
≥ 500		26.5	39.8	45.5	58.4	64.2	67.0	68.5	71.7	72.4	72.4	72.4	72.4	72.4	72.4	72.8
≥ 400		26.5	39.8	45.9	59.1	64.9	70.2	72.8	76.0	76.7	76.7	76.7	76.7	76.7	76.7	77.1
≥ 300		26.5	39.8	45.9	59.9	65.6	73.1	75.6	79.6	80.6	80.6	80.6	80.6	80.6	80.6	81.0
≥ 200		26.5	40.1	46.2	60.2	66.3	74.2	76.7	82.8	85.3	87.8	88.5	88.5	88.5	89.2	90.0
≥ 100		26.5	40.1	46.2	60.2	66.3	74.2	76.7	82.8	85.3	88.5	89.2	90.7	91.4	92.8	96.8
≥ 0		26.5	40.1	46.2	60.2	66.3	74.2	76.7	82.8	85.3	88.5	89.2	90.7	91.4	92.8	100.0

TOTAL NUMBER OF OBSERVATIONS 279



DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/ETAC

# CEILING VERSUS VISIBILITY

4221N TAI-CHING TAIWAN/CHING CHUAN KANG 69-71

AK

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0300-0500

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.9	≥.8	≥.7	≥.6	≥.5	≥.4
NO CEILING		7.5	6.2	9.7	15.1	15.4	17.6	17.6	18.3	18.3	18.3	18.3	19.4	19.4	19.7	21.5
≥ 20000		8.6	10.4	11.8	17.6	17.9	20.1	20.1	20.8	20.8	20.8	20.8	21.9	21.9	22.2	24.0
≥ 18000		8.6	10.4	11.8	17.6	17.9	20.1	20.1	20.8	20.8	20.8	20.8	21.9	21.9	22.2	24.0
≥ 16000		8.6	10.4	11.8	17.6	17.9	20.1	20.1	20.8	20.8	20.8	20.8	21.9	21.9	22.2	24.0
≥ 14000		8.6	10.8	12.2	17.9	18.3	20.4	20.4	21.1	21.1	21.1	21.1	22.2	22.2	22.6	24.4
≥ 12000		8.6	10.8	12.2	17.9	18.6	20.8	20.8	21.5	21.5	21.5	21.5	22.6	22.6	22.9	24.7
≥ 10000		9.0	12.9	14.3	20.1	21.1	24.0	24.0	24.7	24.7	24.7	24.7	25.8	25.8	26.2	28.0
≥ 9000		9.7	13.6	15.1	20.8	21.9	24.7	24.7	25.4	25.4	25.4	25.4	26.5	26.5	26.9	28.7
≥ 8000		11.1	15.1	16.5	22.2	23.3	26.9	26.9	27.6	27.6	27.6	27.6	28.7	28.7	29.0	30.8
≥ 7000		12.5	16.5	17.9	23.7	25.1	29.0	29.0	29.7	29.7	29.7	29.7	30.8	30.8	31.2	33.0
≥ 6000		12.5	16.5	17.9	24.0	25.4	29.4	29.4	30.1	30.1	30.1	30.1	31.2	31.2	31.5	33.3
≥ 5000		13.1	19.4	20.8	26.9	28.3	32.3	32.3	33.0	33.0	33.0	33.0	34.1	34.1	34.4	36.2
≥ 4500		13.1	19.4	20.8	26.9	28.3	32.3	32.3	33.0	33.0	33.0	33.0	34.1	34.1	34.4	36.2
≥ 4000		13.1	19.4	20.8	27.2	29.4	33.3	33.3	34.1	34.8	34.8	34.8	35.8	35.8	36.2	38.0
≥ 3500		13.1	20.1	21.5	28.0	30.1	34.1	34.1	34.8	35.5	35.5	35.5	36.6	36.6	36.9	38.7
≥ 3000		13.1	20.1	21.5	28.0	30.1	34.1	34.1	34.8	35.5	35.5	35.5	36.6	36.6	36.9	38.7
≥ 2500		16.5	22.9	24.4	31.2	33.3	37.3	37.3	38.4	39.1	39.1	39.1	40.1	40.1	40.5	42.3
≥ 2000		17.6	24.0	25.4	32.3	34.4	39.4	40.5	41.6	42.3	42.3	42.3	43.4	43.4	43.7	45.5
≥ 1800		17.6	24.0	25.4	32.3	34.8	39.8	40.9	41.9	42.7	42.7	42.7	43.7	44.1	44.4	46.2
≥ 1600		17.6	24.4	26.2	33.0	35.8	41.2	42.7	43.7	44.4	44.4	44.4	45.5	45.9	46.2	48.0
≥ 1400		17.6	25.1	26.9	33.7	36.6	41.9	43.4	44.4	45.2	45.2	45.2	46.2	46.6	47.0	48.7
≥ 1200		17.6	25.4	27.6	34.4	37.3	42.7	44.1	45.2	45.9	45.9	45.9	47.0	47.3	47.7	49.5
≥ 1000		18.3	26.7	28.3	35.8	38.7	44.1	45.5	46.6	47.3	47.3	47.3	48.4	48.7	49.1	50.9
≥ 900		20.4	28.7	31.9	39.4	42.3	49.1	50.5	51.6	52.3	52.3	52.3	53.4	53.8	54.1	55.9
≥ 800		21.1	31.2	33.8	44.4	49.5	56.6	58.1	59.5	60.2	60.2	60.2	61.3	61.6	62.0	63.8
≥ 700		21.9	32.6	38.0	46.6	52.7	60.6	62.0	63.8	64.5	64.5	64.5	65.6	65.9	66.3	68.1
≥ 600		21.9	33.0	38.4	48.4	53.9	64.9	66.7	68.8	69.5	69.5	69.5	70.6	71.0	71.3	73.1
≥ 500		21.9	33.7	39.1	49.8	57.3	67.4	71.0	73.5	74.2	74.2	74.2	75.3	75.6	76.0	77.8
≥ 400		21.9	34.8	40.1	51.3	59.5	70.3	75.3	78.5	80.6	82.1	82.2	84.9	86.0	86.7	88.9
≥ 300		21.9	34.8	40.1	51.3	59.5	70.3	75.6	79.2	81.4	82.8	83.9	86.7	89.2	91.4	97.1
≥ 200		21.9	34.8	40.1	51.3	59.5	70.3	75.6	79.2	81.4	82.8	83.9	86.7	89.2	91.4	100.0

TOTAL NUMBER OF OBSERVATIONS 279

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

42218  
STATION

TAI-CHUNG TAIWAN/CHING CHUAN KANG 69-71  
STATION NAME YEAR

AR

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0600-0800

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.9	≥.8	≥.7	≥.6	≥.5	≥0
NO CEILING		5.7	8.2	9.7	13.3	16.1	16.8	17.6	17.6	17.9	18.3	18.3	18.6	19.4	19.4	20.4
≥ 20000		5.7	10.0	11.5	15.1	18.3	19.0	19.7	19.7	20.4	20.8	20.8	21.1	21.9	21.9	22.9
≥ 18000		5.7	10.0	11.5	15.1	18.3	19.0	19.7	19.7	20.4	20.8	20.8	21.1	21.9	21.9	22.9
≥ 16000		5.7	10.0	11.5	15.1	18.3	19.0	19.7	19.7	20.4	20.8	20.8	21.1	21.9	21.9	22.9
≥ 14000		5.7	10.4	11.8	15.4	18.6	19.4	20.1	20.1	20.8	21.1	21.1	21.5	22.2	22.2	23.7
≥ 12000		5.7	10.4	11.8	15.4	18.6	19.7	20.4	20.4	21.1	21.5	21.5	21.9	22.6	22.6	23.7
≥ 10000		5.7	11.1	13.3	16.8	20.1	21.1	21.9	22.2	23.3	24.0	24.0	24.4	25.1	25.1	26.2
≥ 9000		6.1	11.5	14.7	18.6	21.9	23.3	24.0	24.4	25.4	26.2	26.2	26.5	27.2	27.2	28.3
≥ 8000		7.5	14.3	17.9	21.9	25.4	27.2	28.0	28.3	29.4	30.5	30.5	31.2	31.9	31.9	33.0
≥ 7000		7.9	15.1	19.4	23.3	26.9	28.7	29.4	29.7	31.2	32.3	32.3	33.0	33.7	33.7	34.8
≥ 6000		7.9	15.1	19.7	23.7	27.2	29.0	29.7	30.5	31.9	33.0	33.0	33.7	34.4	34.4	35.5
≥ 5000		8.6	15.8	21.1	25.1	28.7		31.5	32.3	34.4	35.5	35.5	36.6	37.3	37.3	38.4
≥ 4500		9.0	16.1	21.5	25.4	29.0		31.9	32.6	34.8	35.8	35.8	36.9	37.6	37.6	38.7
≥ 4000		9.3	16.5	21.9	26.5	30.5	32.6	34.1	34.8	37.6	38.7	38.7	39.8	40.5	40.5	41.6
≥ 3500		10.0	17.2	22.6	27.2	31.2	33.3	34.8	36.2	39.1	40.1	40.1	41.2	41.9	41.9	43.0
≥ 3000		10.0	17.9	23.3	28.0	32.3	35.1	36.6	38.0	40.9	41.0	41.9	43.0	43.7	43.7	44.8
≥ 2500		12.9	21.1	26.0	33.0	37.6	40.5	42.3	44.1	47.0	48.0	48.0	49.1	49.8	49.8	50.9
≥ 2000		15.1	23.3	30.1	35.5	40.1	43.0	44.8	46.6	49.5	50.5	50.5	51.6	52.3	52.3	53.4
≥ 1800		15.1	23.3	30.1	35.5	40.1	43.0	44.8	46.6	49.5	50.5	50.5	51.6	52.3	52.3	53.4
≥ 1500		15.8	24.0	30.8	36.2	40.9	44.4	46.2	48.0	51.3	52.3	52.3	53.4	54.5	54.5	55.6
≥ 1200		16.1	25.1	32.3	38.0	42.7	46.6	48.4	50.2	53.4	54.5	54.5	55.6	56.6	56.6	57.7
≥ 1000		16.1	25.1	32.3	38.0	42.7	46.6	48.4	50.2	53.4	54.5	54.5	55.6	56.6	56.6	57.7
≥ 900		16.8	25.8	33.0	38.7	43.4	47.3	49.5	51.3	54.5	55.6	55.6	56.6	57.7	57.7	58.8
≥ 800		17.2	26.2	33.3	39.1	43.7	47.7	49.8	51.6	54.8	55.9	55.9	57.0	58.1	58.1	59.1
≥ 700		17.9	26.9	34.4	40.1	44.8	49.1	51.3	53.0	56.3	57.3	57.3	58.4	59.5	59.5	60.6
≥ 600		18.6	28.0	36.6	42.7	48.0	52.3	54.5	56.6	60.2	61.3	61.3	62.4	63.8	63.8	64.9
≥ 500		19.0	28.7	37.6	46.2	52.3	57.7	59.9	62.4	65.9	67.0	67.0	68.1	69.5	69.5	70.6
≥ 400		19.0	29.0	38.4	47.3	54.1	59.9	62.4	65.2	69.2	70.3	70.3	71.7	73.1	73.1	74.2
≥ 300		19.0	29.4	39.1	48.7	55.9	62.7	65.9	69.9	75.6	76.7	76.7	78.1	79.6	79.6	81.0
≥ 200		19.0	29.4	39.1	49.5	57.0	63.8	67.4	72.0	79.6	80.6	81.7	84.6	86.7	87.2	89.2
≥ 100		19.0	29.4	39.1	49.5	57.0	63.8	67.4	72.0	79.6	81.4	82.4	85.3	88.5	91.0	96.1
≥ 0		19.0	29.4	39.1	49.5	57.3	64.2	67.7	72.4	79.9	81.7	82.8	85.7	88.9	91.4	100.0

TOTAL NUMBER OF OBSERVATIONS 279

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MSC

# CEILING VERSUS VISIBILITY

4221 TAI-CHUNG TAIWAN/CHING CHUAN KANG 69-71

AK

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0900-1100

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1.3	≥1.2	≥1.1	≥1.0	≥0.9	≥0.8	≥0
NO CEILING		11.8	17.6	22.2	23.4	26.2	27.2	27.2	27.6	27.6	27.6	27.6	27.6	27.6	27.6	27.6
≥ 20000		11.8	19.7	24.7	28.3	29.7	30.8	30.8	31.2	31.9	31.9	31.9	31.9	31.9	31.9	31.9
≥ 18000		11.8	19.7	24.7	28.3	29.7	30.8	30.8	31.2	31.9	31.9	31.9	31.9	31.9	31.9	31.9
≥ 16000		11.8	19.7	24.7	28.3	29.7	30.8	30.8	31.2	31.9	31.9	31.9	31.9	31.9	31.9	31.9
≥ 14000		11.8	20.1	25.1	28.7	30.1	31.2	31.2	31.5	32.3	32.3	32.3	32.3	32.3	32.3	32.3
≥ 12000		12.9	21.1	26.5	30.1	31.5	32.0	33.0	33.3	34.1	34.1	34.1	34.1	34.1	34.1	34.1
≥ 10000		14.0	24.7	30.1	34.4	36.9	38.0	38.4	39.4	40.1	40.1	40.1	40.1	40.1	40.1	40.1
≥ 9000		14.3	26.2	31.5	35.8	38.4	39.4	39.8	41.6	42.3	42.3	42.3	42.3	42.3	42.3	42.3
≥ 8000		19.4	32.3	37.6	42.7	45.2	46.0	47.0	48.7	49.8	49.8	49.8	49.8	49.8	49.8	49.8
≥ 7000		19.7	33.3	39.4	44.8	47.3	49.5	49.8	51.6	52.7	52.7	52.7	52.7	52.7	52.7	52.7
≥ 6000		20.4	33.1	41.2	46.6	49.1	51.3	51.6	53.4	54.5	54.5	54.5	54.5	54.5	54.5	54.5
≥ 5000		20.8	35.8	41.9	47.3	49.8	52.3	52.7	54.5	55.6	55.6	55.6	55.6	55.6	55.6	55.6
≥ 4500		21.1	36.6	42.7	48.4	50.9	53.4	53.8	55.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6
≥ 4000		21.9	37.3	43.4	49.8	52.3	55.2	55.6	57.3	58.4	58.4	58.4	58.4	58.4	58.4	58.4
≥ 3500		21.9	37.6	43.7	50.9	53.8	56.6	57.0	58.8	59.9	59.9	59.9	59.9	59.9	59.9	59.9
≥ 3000		23.3	39.8	45.9	53.0	55.9	58.8	59.9	61.6	63.1	63.1	63.1	63.1	63.1	63.1	63.1
≥ 2500		24.0	40.9	47.0	54.5	57.3	60.2	61.3	63.1	64.5	64.5	64.5	64.5	64.5	64.5	64.5
≥ 2000		24.0	41.2	47.3	55.9	59.5	62.4	63.4	65.2	66.7	66.7	66.7	66.7	66.7	66.7	66.7
≥ 1800		24.0	41.2	47.3	55.9	59.5	62.4	63.4	65.2	66.7	66.7	66.7	66.7	66.7	66.7	66.7
≥ 1500		24.0	41.2	47.3	55.9	59.5	62.4	63.4	65.2	66.7	66.7	66.7	66.7	66.7	66.7	66.7
≥ 1200		26.9	44.4	50.5	60.2	63.8	66.7	67.7	69.5	71.0	71.0	71.0	71.0	71.0	71.0	71.0
≥ 1000		27.2	44.8	50.9	60.6	64.2	67.0	68.1	69.9	71.3	71.3	71.3	71.3	71.3	71.3	71.3
≥ 900		27.2	44.8	50.9	60.9	64.9	67.7	68.8	70.6	72.0	72.0	72.0	72.0	72.0	72.0	72.0
≥ 800		28.3	45.9	52.3	63.4	67.4	70.3	71.3	73.1	74.6	74.6	74.6	74.6	74.6	74.6	74.6
≥ 700		28.7	47.7	54.1	65.6	69.5	72.4	73.5	75.3	76.7	76.7	76.7	76.7	76.7	76.7	76.7
≥ 600		29.0	49.8	58.1	69.9	74.2	78.5	79.6	81.4	82.8	83.5	83.5	83.5	83.5	83.5	83.5
≥ 500		29.0	49.8	58.1	70.3	74.9	79.6	80.6	82.8	84.2	85.3	85.3	85.3	85.3	85.3	85.3
≥ 400		29.0	50.2	58.4	71.3	76.0	80.6	82.4	85.7	87.5	88.5	88.5	88.5	88.5	88.5	88.5
≥ 300		29.0	50.2	58.8	71.7	76.7	82.8	84.9	88.2	91.8	92.8	92.8	93.5	93.5	93.5	93.5
≥ 200		29.0	50.2	58.8	71.7	77.1	83.2	85.3	88.9	92.8	93.9	93.9	95.0	95.0	96.4	96.4
≥ 100		29.0	50.2	58.8	71.7	77.1	83.2	85.3	88.9	92.8	94.3	94.3	95.3	95.3	96.4	98.6
≥ 0		29.0	50.2	58.8	71.7	77.1	83.2	85.3	88.9	92.8	94.3	94.3	95.3	96.4	98.6	100.0

TOTAL NUMBER OF OBSERVATIONS 279

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

42218 TAI-CHUNG TAI-WAN/CHING CHUAN KANG 69-71

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1200-1400

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.5	≥0.25	≥0.1	≥0.05	≥0.025	≥0.01	≥0
NO CEILING	18.3	25.8	28.3	28.3	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7
≥ 20000	20.8	30.8	33.3	33.3	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7
≥ 18000	20.8	30.8	33.3	33.3	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7
≥ 16000	20.8	30.8	33.3	33.3	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7
≥ 14000	21.1	31.5	34.1	34.1	34.4	34.4	34.4	34.4	34.4	34.4	34.4	34.4	34.4	34.4	34.4	34.4
≥ 12000	23.7	35.5	38.4	38.7	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4
≥ 10000	29.4	44.4	47.3	49.1	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8
≥ 9000	30.1	46.6	49.8	51.6	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3
≥ 8000	32.3	49.8	54.8	57.3	58.1	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4
≥ 7000	33.3	50.9	56.3	58.8	60.2	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6
≥ 6000	33.7	51.3	56.6	59.1	60.6	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9
≥ 5000	34.4	52.3	57.7	60.2	61.6	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0
≥ 4500	34.4	52.3	58.4	60.9	62.4	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7
≥ 4000	35.1	53.4	59.5	62.0	63.4	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8
≥ 3500	35.1	54.1	60.6	63.1	64.5	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9
≥ 3000	35.8	55.2	62.0	64.5	65.9	66.7	66.7	66.7	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0
≥ 2500	35.8	55.9	62.7	65.6	67.7	68.5	68.5	68.5	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8
≥ 2000	36.6	57.0	63.8	66.7	68.8	69.5	69.5	69.5	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9
≥ 1800	36.6	57.3	64.2	67.0	69.2	69.9	69.9	69.9	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
≥ 1500	36.6	57.7	64.5	67.7	69.9	70.6	70.6	70.6	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
≥ 1200	38.4	59.5	66.3	69.5	71.7	72.4	72.4	72.4	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8
≥ 1000	38.7	60.2	67.0	70.3	72.4	73.1	73.1	73.1	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5
≥ 900	39.1	60.6	67.4	70.6	72.8	73.5	73.5	73.5	73.8	74.2	74.2	74.2	74.2	74.2	74.2	74.2
≥ 800	40.1	62.7	70.6	74.2	76.3	77.1	77.1	77.1	77.4	77.8	77.8	77.8	77.8	77.8	77.8	77.8
≥ 700	40.1	64.5	72.4	76.3	78.9	79.9	79.9	79.9	80.3	80.6	80.6	80.6	80.6	80.6	80.6	80.6
≥ 600	41.2	67.0	74.9	79.6	82.4	83.5	83.5	83.5	83.9	84.2	84.2	84.2	84.2	84.2	84.2	84.2
≥ 500	41.2	67.4	75.6	81.0	84.9	85.3	85.3	85.3	85.7	86.4	87.1	87.1	87.1	87.1	87.1	87.1
≥ 400	41.2	67.4	75.6	81.0	84.9	85.3	85.3	85.3	85.7	86.4	87.1	87.1	87.1	87.1	87.1	87.1
≥ 300	41.2	67.4	75.6	81.0	84.9	85.3	85.3	85.3	85.7	86.4	87.1	87.1	87.1	87.1	87.1	87.1
≥ 200	41.2	67.4	75.6	81.0	84.9	85.3	85.3	85.3	85.7	86.4	87.1	87.1	87.1	87.1	87.1	87.1
≥ 100	41.2	67.4	75.6	81.0	84.9	85.3	85.3	85.3	85.7	86.4	87.1	87.1	87.1	87.1	87.1	87.1
≥ 0	41.2	67.4	75.6	81.0	84.9	85.3	85.3	85.3	85.7	86.4	87.1	87.1	87.1	87.1	87.1	87.1

TOTAL NUMBER OF OBSERVATIONS

279

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/AC

# CEILING VERSUS VISIBILITY

42214 STATION TAI-CHING TAIWAN/CHING CHUAN KANG 69-71

DN  
1970-1970

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ .5	≥ .3	≥ .1	≥ .05	≥ .01	≥ 0
NO CEILING		22.6	26.5	26.9	28.0	29.0	29.4	29.7	29.7	29.7	29.7	29.7	29.7	29.7	29.7
≥ 20000		28.0	32.3	32.6	33.7	34.8	35.1	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5
≥ 18000		28.0	32.3	32.6	33.7	34.8	35.1	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5
≥ 16000		28.0	32.3	32.6	33.7	34.8	35.1	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5
≥ 14000		28.0	33.0	33.3	34.4	35.5	35.8	36.2	36.2	36.2	36.2	36.2	36.2	36.2	36.2
≥ 12000		29.0	33.1	33.5	36.6	38.0	38.4	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7
≥ 10000		30.8	39.8	40.9	42.3	43.7	44.1	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4
≥ 9000		31.5	40.5	41.6	43.0	44.4	44.8	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2
≥ 8000		33.8	46.2	47.7	49.5	50.9	51.3	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6
≥ 7000		38.0	48.7	50.2	52.3	54.1	54.5	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8
≥ 6000		38.4	50.9	52.3	54.5	56.3	56.6	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0
≥ 5000		39.8	52.3	53.8	55.9	58.1	58.4	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5
≥ 4500		39.8	52.3	53.8	55.9	58.1	58.4	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5
≥ 4000		39.8	52.7	54.1	56.3	58.4	58.8	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9
≥ 3500		39.8	52.7	54.5	56.6	58.8	59.1	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2
≥ 3000		40.1	53.0	54.8	57.3	59.5	59.9	60.9	61.6	61.6	61.6	61.6	61.6	61.6	61.6
≥ 2500		40.1	54.5	56.3	59.1	61.3	61.6	62.7	63.4	63.4	63.4	63.4	63.4	63.4	63.4
≥ 2000		40.5	55.2	57.0	59.9	62.0	62.4	63.4	64.2	64.2	64.2	64.2	64.2	64.2	64.2
≥ 1800		40.5	55.2	57.0	59.9	62.0	62.4	63.4	64.2	64.2	64.2	64.2	64.2	64.2	64.2
≥ 1500		40.9	55.9	57.7	60.6	62.7	63.1	64.2	64.9	64.9	64.9	64.9	64.9	64.9	64.9
≥ 1200		41.6	57.3	59.1	62.0	64.2	64.5	65.6	66.3	66.3	66.3	66.3	66.3	66.3	66.3
≥ 1000		41.6	58.1	59.9	62.7	64.9	65.2	66.3	67.0	67.0	67.0	67.0	67.0	67.0	67.0
≥ 900		41.9	58.4	60.9	63.8	65.9	66.3	67.4	68.1	68.1	68.1	68.1	68.1	68.1	68.1
≥ 800		43.0	60.2	62.7	65.6	67.7	68.1	69.2	69.9	70.3	70.3	70.3	70.3	70.3	70.3
≥ 700		43.4	60.9	63.8	67.4	69.5	69.9	71.0	71.7	72.0	72.0	72.0	72.0	72.0	72.0
≥ 600		44.4	62.4	65.6	69.9	72.0	72.4	73.5	74.2	74.6	74.6	74.6	74.6	74.6	74.6
≥ 500		44.4	63.1	67.0	72.4	76.0	76.3	77.4	78.1	78.5	78.5	78.5	78.5	78.5	78.5
≥ 400		44.4	63.1	67.7	73.1	77.1	77.8	79.2	79.9	81.4	81.7	81.7	81.7	81.7	81.7
≥ 300		44.4	63.1	68.1	73.5	77.8	78.5	79.9	81.4	84.2	84.9	84.9	85.7	85.7	86.0
≥ 200		44.4	63.4	68.5	73.8	78.9	79.9	81.7	83.5	88.2	89.6	89.6	91.4	91.8	92.5
≥ 100		44.4	63.4	68.5	73.8	78.9	79.9	81.7	83.5	88.5	90.0	90.0	93.2	93.9	95.3
≥ 0		44.4	63.4	68.5	73.8	78.9	79.9	81.7	83.5	88.5	90.0	90.0	93.2	93.9	100.0

TOTAL NUMBER OF OBSERVATIONS 279

ATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

42216 TAI-CHUNG TAIWAN/CHING CHUAN KANG 69-71

AR

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1970-2000

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	¾	¾	¾
NO CEILING		12.9	20.1	22.6	23.3	24.4	25.4	25.4	25.4	25.4	25.4	25.4	25.4	25.4	25.4	25.4
≥ 20000		14.0	23.3	25.8	26.9	28.0	29.0	29.0	29.0	29.0	29.0	29.0	29.0	29.0	29.4	29.4
≥ 18000		14.0	23.3	25.8	26.9	28.0	29.0	29.0	29.0	29.0	29.0	29.0	29.0	29.0	29.4	29.4
≥ 16000		14.0	23.3	25.8	26.9	28.0	29.0	29.0	29.0	29.0	29.0	29.0	29.0	29.0	29.4	29.4
≥ 14000		14.3	24.4	27.2	28.3	29.4	30.5	30.5	30.5	30.5	30.5	30.5	30.5	30.5	30.8	30.8
≥ 12000		15.1	25.1	28.3	29.4	30.5	31.5	31.5	31.5	31.5	31.5	31.5	31.5	31.5	31.9	31.9
≥ 10000		16.8	27.2	31.2	32.3	33.3	34.4	34.4	34.4	34.4	34.4	34.4	34.4	34.4	34.8	34.8
≥ 9000		16.8	27.2	31.2	32.3	33.3	34.4	34.4	34.4	34.4	34.4	34.4	34.4	34.4	34.8	34.8
≥ 8000		21.1	31.9	35.8	38.4	39.8	41.2	41.2	41.6	41.6	41.6	41.6	41.6	41.6	41.9	41.9
≥ 7000		22.2	33.0	36.9	39.4	41.2	42.7	42.7	43.0	43.0	43.0	43.0	43.0	43.0	43.4	43.4
≥ 6000		23.3	34.1	38.0	40.5	42.3	43.7	43.7	44.1	44.1	44.1	44.1	44.1	44.1	44.4	44.4
≥ 5000		23.3	34.1	38.0	40.9	42.7	44.1	44.1	44.4	44.4	44.4	44.4	44.4	44.4	45.2	45.2
≥ 4500		24.0	35.5	39.4	42.7	44.4	45.9	45.9	46.2	46.2	46.2	46.2	46.2	46.6	47.0	47.0
≥ 4000		24.7	36.6	40.5	44.4	46.6	48.0	48.0	48.4	48.4	48.4	48.4	48.4	48.7	49.1	49.1
≥ 3500		24.7	36.6	40.5	44.8	47.0	48.4	48.4	48.7	48.7	48.7	48.7	48.7	49.1	49.5	49.5
≥ 3000		25.8	39.1	43.0	47.7	49.8	51.3	51.3	51.6	51.6	51.6	51.6	51.6	52.0	52.3	52.3
≥ 2500		26.9	42.3	46.2	51.6	53.8	55.9	55.9	56.3	56.3	56.3	56.3	56.3	56.6	57.0	57.0
≥ 2000		28.0	44.4	48.4	53.8	55.9	58.1	58.1	58.4	58.4	58.4	58.4	58.4	58.8	59.1	59.1
≥ 1800		28.0	44.4	48.4	53.8	55.9	58.1	58.1	58.4	58.4	58.4	58.4	58.4	58.8	59.1	59.1
≥ 1500		28.0	44.8	48.7	54.1	56.3	58.4	58.4	58.8	58.8	58.8	58.8	58.8	59.1	59.5	59.5
≥ 1200		28.0	44.8	48.7	54.1	56.3	58.4	58.4	58.8	58.8	58.8	58.8	58.8	59.1	59.5	59.5
≥ 1000		28.7	45.9	49.8	55.6	57.7	60.2	60.2	60.6	60.6	60.6	60.6	60.6	60.9	61.3	61.3
≥ 900		29.0	46.2	50.5	56.6	58.8	61.3	61.3	61.6	61.6	61.6	61.6	61.6	62.0	62.4	62.4
≥ 800		30.5	48.0	52.7	58.8	60.9	63.4	63.4	63.8	63.8	63.8	63.8	63.8	64.2	64.5	64.5
≥ 700		30.5	48.0	52.7	58.8	60.9	63.8	63.8	64.2	64.2	64.2	64.2	64.2	64.5	64.9	64.9
≥ 600		30.8	49.5	54.1	61.6	63.8	66.7	66.7	67.7	67.7	67.7	67.7	67.7	68.1	68.5	68.5
≥ 500		30.8	49.5	54.1	62.7	65.6	68.8	69.2	70.6	70.6	70.6	70.6	70.6	71.0	71.3	71.3
≥ 400		30.8	49.5	54.1	63.1	66.3	69.9	70.6	72.4	73.1	73.5	73.5	73.5	73.8	74.2	74.2
≥ 300		30.8	49.5	54.5	64.2	67.7	71.3	72.4	76.0	79.2	79.6	79.6	79.6	79.9	80.3	80.3
≥ 200		30.8	49.5	54.5	64.2	67.7	71.7	73.1	78.1	82.1	83.9	84.2	84.2	84.4	84.8	84.8
≥ 100		30.8	49.5	54.5	64.2	67.7	71.7	73.1	78.1	82.1	84.2	85.3	85.3	85.5	85.7	85.7
≥ 0		30.8	49.5	54.5	64.2	67.7	71.7	73.1	78.1	82.1	84.2	85.3	85.3	85.5	85.7	85.7

TOTAL NUMBER OF OBSERVATIONS 279

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

42218 STATION TAI-CHUNG TAIWAN/CHING CHUAN KANG 69-71

YEARS MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

2100-2300  
HOURS EST

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1.4	≥ 1	≥ .9	≥ .8	≥ .7	≥ .6	≥ .5	≥ 0
NO CEILING		11.8	15.4	19.0	22.0	24.7	25.4	25.4	25.4	25.8	25.8	25.8	26.5	26.5	26.5	26.9
≥ 20000		11.8	17.6	21.5	25.4	27.6	28.3	28.3	28.3	28.7	28.7	28.7	29.4	29.4	29.4	29.7
≥ 18000		11.8	17.6	21.5	25.4	27.6	28.3	28.3	28.3	28.7	28.7	28.7	29.4	29.4	29.4	29.7
≥ 16000		11.8	17.6	21.5	25.4	27.6	28.3	28.3	28.3	28.7	28.7	28.7	29.4	29.4	29.4	29.7
≥ 14000		12.5	18.3	22.2	26.2	28.3	29.0	29.0	29.0	29.4	29.4	29.4	30.1	30.1	30.1	30.5
≥ 12000		13.6	19.4	23.3	27.6	29.7	30.5	30.5	30.5	30.8	30.8	30.8	31.5	31.5	31.5	31.9
≥ 10000		13.6	20.1	24.0	29.0	31.2	31.9	31.9	32.3	32.6	32.6	32.6	33.3	33.3	33.3	33.7
≥ 9000		13.6	20.1	24.0	29.0	31.2	31.9	31.9	32.3	32.6	32.6	32.6	33.3	33.3	33.3	33.7
≥ 8000		13.8	22.9	26.9	33.3	35.8	36.6	36.6	36.9	37.3	37.3	37.3	38.0	38.0	38.0	38.4
≥ 7000		13.8	22.9	26.9	33.3	35.8	36.6	36.6	36.9	37.3	37.3	37.3	38.0	38.0	38.0	38.4
≥ 6000		18.3	25.4	29.4	35.8	38.4	39.1	39.1	39.4	39.8	39.8	39.8	40.5	40.5	40.5	40.9
≥ 5000		19.4	26.5	31.2	38.0	40.5	41.9	41.9	42.3	42.7	42.7	42.7	43.4	43.4	43.4	43.7
≥ 4500		19.7	27.6	32.3	39.1	41.6	43.0	43.0	43.4	43.7	43.7	43.7	44.4	44.4	44.4	44.8
IV 4000		21.9	30.8	35.8	43.7	46.2	47.7	47.7	48.0	48.4	48.4	48.4	49.1	49.1	49.1	49.5
IV 3500		22.2	31.2	36.2	44.1	46.6	48.0	48.0	48.4	48.7	48.7	48.7	49.5	49.5	49.5	49.8
IV 3000		23.7	34.4	39.4	47.3	49.8	51.3	51.3	51.6	52.0	52.0	52.0	52.7	53.0	53.0	53.4
IV 2500		25.1	36.9	41.9	50.2	52.7	54.1	54.1	54.5	54.8	54.8	54.8	55.6	55.9	55.9	56.3
IV 2000		27.2	39.1	44.1	52.3	54.8	56.3	56.3	56.6	57.0	57.0	57.0	57.7	58.1	58.1	58.4
IV 1800		27.2	39.1	44.1	52.3	54.8	56.3	56.3	56.6	57.0	57.0	57.0	57.7	58.1	58.1	58.4
IV 1500		27.2	39.1	44.1	52.3	54.8	56.3	56.3	56.6	57.0	57.0	57.0	57.7	58.1	58.1	58.4
IV 1200		27.2	39.1	44.1	52.3	54.8	56.3	56.3	56.6	57.0	57.0	57.0	57.7	58.1	58.1	58.4
IV 1000		28.0	39.8	44.8	53.8	56.3	57.7	57.7	58.1	58.4	58.4	58.4	59.1	59.5	59.5	59.9
IV 900		28.0	41.2	46.2	55.2	57.7	59.1	59.1	59.5	59.9	59.9	59.9	60.6	60.9	60.9	61.3
IV 800		28.3	41.6	47.3	56.3	58.8	60.6	60.6	61.2	62.4	62.4	62.4	63.1	63.4	63.4	63.8
IV 700		28.7	41.9	48.0	57.7	60.2	62.4	62.7	63.1	64.2	64.2	64.2	64.9	65.2	65.2	65.6
IV 600		28.7	43.7	50.2	60.6	63.1	65.2	65.6	65.9	67.0	67.0	67.0	67.7	68.1	68.1	68.5
IV 500		29.0	44.8	51.6	62.7	65.9	68.1	68.8	69.2	70.3	70.3	70.3	71.0	71.3	71.3	71.7
IV 400		29.0	44.8	52.0	63.1	66.7	68.8	71.0	71.3	72.4	72.4	72.4	73.1	73.5	73.5	73.8
IV 300		29.0	44.8	52.0	64.5	68.1	71.0	74.9	75.6	78.5	79.2	79.2	80.3	80.6	80.6	81.0
IV 200		29.4	45.2	52.3	66.3	69.9	73.5	77.8	78.9	82.8	83.9	83.9	86.7	88.9	90.0	90.7
IV 100		29.4	45.2	52.3	66.3	69.9	73.5	77.8	79.2	83.5	84.6	85.3	88.2	91.8	95.3	97.8
IV 0		29.4	45.2	52.3	66.3	69.9	73.5	77.8	79.2	83.5	84.6	85.3	88.2	91.8	95.3	100.0

TOTAL NUMBER OF OBSERVATIONS 279

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

42214 STATION TAI-CHUNG TAIWAN/CHING CHUAN KANG 69-71

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0000-0200  
HOURS UTC

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING		11.5	17.0	20.7	24.8	27.8	32.2	33.7	33.7	34.4	34.4	34.4	34.4	34.4	34.4	35.9
≥ 20000		13.3	18.9	22.6	27.0	30.0	34.4	35.9	36.3	37.4	37.4	37.4	37.4	37.4	37.4	38.9
≥ 18000		13.3	18.9	22.6	27.0	30.0	34.4	35.9	36.3	37.4	37.4	37.4	37.4	37.4	37.4	38.9
≥ 16000		13.3	18.9	22.6	27.0	30.0	34.4	35.9	36.3	37.4	37.4	37.4	37.4	37.4	37.4	38.9
≥ 14000		13.3	18.9	22.6	27.0	30.4	34.8	36.3	36.7	37.8	37.8	37.8	37.8	37.8	37.8	39.3
≥ 12000		13.3	18.9	22.6	27.0	30.4	34.8	36.3	36.7	37.8	37.8	37.8	37.8	37.8	38.1	39.6
≥ 10000		15.6	23.0	26.7	31.1	34.8	39.3	40.7	41.1	42.2	42.2	42.2	42.2	42.2	42.6	44.1
≥ 9000		15.9	23.3	27.0	31.5	35.2	39.6	41.1	41.9	43.0	43.0	43.0	43.0	43.0	43.3	44.8
≥ 8000		18.9	29.6	34.4	42.2	47.8	53.7	55.2	55.9	57.0	57.0	57.0	57.4	57.4	57.8	59.3
≥ 7000		21.1	31.9	38.1	48.1	53.7	59.6	61.1	61.9	63.0	63.0	63.0	63.3	63.3	63.7	65.2
≥ 6000		21.5	32.2	38.5	48.9	54.4	60.4	61.9	62.6	63.7	63.7	63.7	64.1	64.1	64.4	65.9
≥ 5000		21.5	32.2	39.6	50.4	55.9	61.9	63.3	64.1	65.2	65.2	65.2	65.6	65.6	65.9	67.4
≥ 4500		21.5	32.2	39.6	50.4	55.9	61.9	63.3	64.1	65.2	65.2	65.2	65.6	65.6	65.9	67.4
≥ 4000		23.3	35.6	43.0	54.1	59.6	66.3	68.5	69.3	70.4	70.4	70.4	70.7	70.7	71.1	72.6
≥ 3500		24.8	37.0	44.4	55.9	61.9	69.6	71.9	73.0	74.4	74.4	74.4	74.8	74.8	75.2	76.7
≥ 3000		25.6	37.8	45.2	56.7	62.6	70.4	72.6	73.7	75.2	75.2	75.2	75.6	75.6	75.9	77.4
≥ 2500		26.7	39.3	46.7	58.1	64.1	71.9	74.1	75.2	76.7	76.7	76.7	77.0	77.0	77.8	79.3
≥ 2000		27.4	40.4	48.5	60.0	67.0	74.8	77.0	78.1	79.6	79.6	79.6	80.0	80.0	80.7	82.2
≥ 1800		27.4	40.4	48.5	60.0	67.4	75.2	77.4	78.5	80.0	80.0	80.0	80.4	80.4	81.1	82.6
≥ 1500		27.4	40.4	48.5	60.0	67.4	75.2	77.4	78.5	80.0	80.0	80.0	80.4	80.4	81.1	82.6
≥ 1200		27.4	40.4	48.5	61.1	68.5	77.4	80.0	81.1	82.6	82.6	82.6	83.0	83.0	83.7	85.2
≥ 1000		27.4	40.4	48.5	61.1	68.5	77.4	80.0	81.1	82.6	82.6	82.6	83.3	83.3	84.1	85.6
≥ 900		27.4	40.4	48.5	61.1	68.5	77.4	80.0	81.1	82.6	82.6	82.6	83.3	83.3	84.1	85.6
≥ 800		27.4	40.4	48.5	61.1	68.5	77.4	80.0	81.1	82.6	82.6	82.6	83.3	83.3	84.1	85.6
≥ 700		27.4	40.4	48.5	61.1	68.5	77.4	80.4	81.5	83.3	83.3	83.3	84.1	84.1	84.8	86.3
≥ 600		27.4	40.4	48.5	61.1	68.5	77.4	80.7	81.9	83.7	83.7	83.7	84.4	84.4	85.2	86.7
≥ 500		27.4	40.7	48.9	61.5	68.9	78.1	81.5	82.6	84.4	84.4	84.4	85.6	85.6	86.3	87.8
≥ 400		27.4	40.7	48.9	61.5	68.9	78.1	81.9	83.0	84.8	84.8	84.8	85.9	85.9	86.7	88.1
≥ 300		27.4	40.7	48.9	62.2	69.6	79.3	83.3	84.4	86.7	86.7	86.7	87.8	87.8	88.9	90.4
≥ 200		27.4	40.7	48.9	62.6	70.0	79.6	83.7	85.2	87.4	88.1	88.1	89.6	89.6	91.1	93.7
≥ 100		27.4	40.7	48.9	62.6	70.0	79.6	83.7	85.2	87.4	88.1	88.1	89.6	90.0	92.6	98.9
≥ 0		27.4	40.7	48.9	62.6	70.0	79.6	83.7	85.2	87.4	88.1	88.1	89.6	90.0	92.6	100.0

TOTAL NUMBER OF OBSERVATIONS 270



DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

42218 TAI-CHUNG TAIWAN/CHING CHUAN KANG 69-71

APK

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0300-0500

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 1/8	≥ 0
NO CEILING		10.4	15.2	16.7	18.9	20.7	24.1	24.8	25.2	25.9	26.3	26.3	26.7	26.7	26.7	27.0
≥ 20000		12.2	17.0	19.6	23.0	24.8	28.1	28.9	29.3	30.0	30.4	30.4	30.7	30.7	30.7	31.1
≥ 18000		12.2	17.0	19.6	23.0	24.8	28.1	28.9	29.3	30.0	30.4	30.4	30.7	30.7	30.7	31.1
≥ 16000		12.2	17.0	19.6	23.0	24.8	28.1	28.9	29.3	30.0	30.4	30.4	30.7	30.7	30.7	31.1
≥ 14000		12.2	17.0	19.6	23.0	24.8	28.1	28.9	29.3	30.0	30.4	30.4	30.7	30.7	30.7	31.1
≥ 12000		13.0	17.8	20.7	24.8	26.7	30.0	30.7	31.9	32.6	33.0	33.0	33.3	33.3	33.7	34.1
≥ 10000		14.4	21.5	24.4	28.9	30.7	34.1	35.2	36.3	37.0	37.4	37.4	37.8	37.8	38.1	38.5
≥ 9000		14.4	21.5	24.8	29.6	32.2	35.9	37.0	38.1	38.9	39.3	39.3	39.6	39.6	40.0	40.4
≥ 8000		18.9	27.8	31.9	41.9	45.6	50.4	51.5	53.0	54.1	54.4	54.4	54.8	54.8	55.2	55.6
≥ 7000		21.5	30.4	35.6	45.6	50.4	55.9	57.4	58.9	60.0	60.7	60.7	61.1	61.1	61.5	61.9
≥ 6000		21.5	30.4	35.6	45.6	50.4	55.9	57.4	58.9	60.0	60.7	60.7	61.1	61.1	61.5	61.9
≥ 5000		21.5	30.4	35.9	46.3	52.2	58.1	59.6	61.1	62.2	63.0	63.0	63.3	63.3	63.7	64.1
≥ 4500		22.6	31.5	37.0	47.4	53.3	59.3	60.7	62.2	63.3	64.1	64.1	64.4	64.4	64.8	65.2
≥ 4000		24.8	33.7	39.3	50.0	55.9	62.0	64.8	66.3	67.8	68.5	68.5	68.9	68.9	69.3	69.6
≥ 3500		25.6	35.9	42.2	53.0	58.9	65.9	67.8	69.6	71.1	71.9	71.9	72.6	72.6	73.0	73.3
≥ 3000		26.7	37.8	44.1	54.8	60.7	67.8	69.6	71.5	73.0	73.7	73.7	74.4	74.4	74.8	75.2
≥ 2500		27.8	38.9	45.2	55.9	61.9	68.9	70.7	72.6	74.1	74.8	74.8	75.6	75.6	75.9	76.3
≥ 2000		27.8	38.9	45.6	57.0	63.3	70.7	73.3	75.2	76.7	77.4	77.4	78.1	78.1	78.5	78.9
≥ 1800		27.8	38.9	45.6	57.0	63.3	70.7	73.3	75.2	76.7	77.4	77.4	78.1	78.1	78.5	78.9
≥ 1500		28.1	39.3	46.3	58.1	64.4	71.9	74.8	76.7	78.1	78.9	78.9	79.6	79.6	80.0	80.4
≥ 1200		28.1	39.3	46.3	58.1	64.4	71.9	75.2	77.0	78.5	79.3	79.3	80.0	80.0	80.4	80.7
≥ 1000		28.1	39.3	46.3	58.1	64.4	71.9	75.2	77.4	78.9	79.6	79.6	80.4	80.4	80.7	81.1
≥ 900		28.1	39.3	46.3	58.1	64.4	71.9	75.2	77.4	78.9	79.6	79.6	80.4	80.4	80.7	81.1
≥ 800		28.1	39.3	46.3	58.1	64.8	72.2	73.6	75.1	76.6	77.6	77.6	78.4	78.4	78.8	79.2
≥ 700		28.1	39.3	46.3	58.1	64.8	72.2	73.6	75.1	76.6	77.6	77.6	78.4	78.4	78.8	79.2
≥ 600		28.1	39.3	46.3	58.1	64.8	72.2	73.6	75.1	76.6	77.6	77.6	78.4	78.4	78.8	79.2
≥ 500		28.1	39.6	46.7	58.5	65.2	73.7	77.0	80.7	82.6	83.3	83.3	85.2	85.2	85.6	85.9
≥ 400		28.1	39.6	46.7	59.3	65.9	74.8	78.1	81.9	83.7	84.4	84.4	86.3	86.3	86.7	87.0
≥ 300		28.1	39.6	46.7	59.3	65.9	74.8	78.1	81.9	83.7	84.4	84.4	86.3	86.3	86.7	87.0
≥ 200		28.1	39.6	46.7	59.3	65.9	74.8	78.1	81.9	83.7	84.4	84.4	86.3	86.3	86.7	87.0
≥ 100		28.1	39.6	46.7	59.3	65.9	74.8	78.1	81.9	83.7	84.4	84.4	86.3	86.3	86.7	87.0
≥ 0		28.1	39.6	46.7	59.3	65.9	74.8	78.1	81.9	83.7	84.4	84.4	86.3	86.3	86.7	87.0

TOTAL NUMBER OF OBSERVATIONS 270

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

4221<sup>0</sup> STATION TAI-CHUNG TAIWAN/CHING CHUAN KANG 69-71

YEARS

APK

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0000-0300

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	¾	¾	≥0
NO CEILING		9.6	13.7	17.0	20.0	21.5	23.0	24.4	25.9	25.9	27.0	27.0	27.4	27.4	27.4	27.8
≥ 20000		11.5	16.3	21.1	25.2	26.7	28.1	29.6	31.1	31.1	32.2	32.2	32.6	32.6	32.6	33.0
≥ 18000		11.5	16.3	21.1	25.2	26.7	28.1	29.6	31.1	31.1	32.2	32.2	32.6	32.6	32.6	33.0
≥ 16000		11.5	16.3	21.1	25.2	26.7	28.1	29.6	31.1	31.1	32.2	32.2	32.6	32.6	32.6	33.0
≥ 14000		11.5	16.7	21.5	25.6	27.0	28.5	30.0	31.9	31.9	33.0	33.0	33.7	33.7	33.7	34.1
≥ 12000		12.6	18.1	23.3	28.5	30.0	31.9	33.3	35.6	35.6	37.4	37.4	38.1	38.1	38.1	38.5
≥ 10000		14.4	21.1	26.3	31.9	33.3	35.2	37.0	39.6	39.6	41.5	41.5	42.2	42.2	42.2	42.6
≥ 9000		14.8	21.5	26.7	32.2	33.7	35.6	38.1	40.7	40.7	42.6	42.6	43.3	43.3	43.3	43.7
≥ 8000		16.3	23.2	31.9	39.6	42.2	46.3	49.3	53.7	53.7	55.6	55.6	56.3	56.3	56.3	56.7
≥ 7000		16.3	23.6	33.0	41.9	44.8	48.9	51.9	56.3	56.3	58.1	58.1	58.9	58.9	58.9	59.3
≥ 6000		16.3	23.6	33.0	41.9	44.8	48.9	51.9	56.7	56.7	58.5	58.5	59.3	59.3	59.3	59.6
≥ 5000		16.3	26.7	34.1	44.8	48.5	52.6	55.6	60.4	60.4	62.6	62.6	63.3	63.3	63.7	64.1
≥ 4500		16.7	27.4	34.8	45.6	49.3	53.3	56.3	61.1	61.1	63.3	63.3	64.1	64.1	64.4	64.8
≥ 4000		18.9	30.0	37.4	49.3	54.1	58.9	62.6	67.8	67.8	70.0	70.0	70.7	70.7	71.5	71.9
≥ 3500		19.3	30.7	38.1	50.4	55.2	60.0	63.7	68.9	68.9	71.1	71.1	72.2	72.2	73.0	73.3
≥ 3000		20.0	31.5	39.3	51.5	56.3	61.1	64.8	70.4	70.4	72.6	72.6	73.7	73.7	74.4	74.8
≥ 2500		20.0	31.5	39.3	51.5	56.3	61.1	64.8	70.7	70.7	73.0	73.0	74.1	74.1	74.8	75.2
≥ 2000		20.7	32.2	40.4	53.3	58.5	63.3	67.0	73.0	73.0	75.2	75.2	76.3	76.3	77.0	77.4
≥ 1800		20.7	32.2	40.4	53.3	58.5	63.3	67.0	73.0	73.0	75.2	75.2	76.3	76.3	77.0	77.4
≥ 1500		20.7	32.2	40.4	53.3	59.6	64.4	68.1	74.1	74.1	76.3	76.3	77.4	77.4	78.1	78.5
≥ 1200		20.7	32.2	40.4	53.3	59.6	64.4	68.1	74.1	74.1	76.3	76.3	77.4	77.4	78.1	78.5
≥ 1000		20.7	32.2	40.4	53.3	59.6	64.4	68.1	74.1	74.1	76.3	76.3	77.4	77.4	78.1	78.5
≥ 900		20.7	32.2	40.4	53.3	59.6	64.8	68.5	74.4	74.4	76.7	76.7	77.8	77.8	78.5	78.9
≥ 800		20.7	32.2	40.4	53.3	59.6	64.8	68.5	74.4	74.8	77.0	77.0	78.1	78.1	78.9	79.3
≥ 700		20.7	32.2	40.4	53.3	59.6	64.8	68.9	74.8	75.6	77.8	77.8	78.9	78.9	79.6	80.0
≥ 600		20.7	32.2	40.4	53.7	60.4	65.6	69.6	75.6	76.3	78.9	78.9	82.2	82.2	83.0	83.3
≥ 500		20.7	32.2	40.4	54.1	60.7	65.9	70.0	75.9	77.0	79.6	79.6	83.0	83.0	83.7	84.1
≥ 400		20.7	32.2	40.4	55.6	62.2	68.5	72.6	80.0	81.5	84.8	84.8	88.1	88.1	88.9	89.3
≥ 300		20.7	32.2	40.4	55.6	62.2	68.5	72.6	80.4	82.2	86.3	86.3	90.4	90.4	91.1	91.5
≥ 200		20.7	32.2	40.4	55.6	62.2	68.5	72.6	80.4	82.6	87.0	87.0	91.9	92.6	94.4	94.8
≥ 100		20.7	32.2	40.4	55.6	62.2	68.5	72.6	80.4	82.6	87.0	87.0	91.9	94.1	96.7	98.9
0		20.7	32.2	40.4	55.6	62.2	68.5	72.6	80.4	82.6	87.0	87.0	91.9	94.1	97.4	100.0

TOTAL NUMBER OF OBSERVATIONS 270

DATA PROCESSING DIVISION  
USAF ETAG  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

4221P TAI-CHUNG TAI-AN/CHING CHUAN KANG 69-71

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0700-1100

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.75	≥0.5	≥0.25	≥0.15	≥0.1	≥0.05	≥0
NO CEILING	13.0	23.7	28.9	33.3	35.2	36.7	36.7	37.0	37.0	37.0	37.0	37.0	37.0	37.0	37.0	37.0
≥ 20000	16.7	28.9	36.7	41.5	43.3	44.8	44.8	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9
≥ 18000	16.7	28.9	36.7	41.5	43.3	44.8	44.8	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9
≥ 16000	16.7	28.9	36.7	41.5	43.3	44.8	44.8	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9
≥ 14000	17.0	29.6	37.4	42.2	44.1	45.6	45.6	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7
≥ 12000	18.1	33.0	41.5	46.3	48.5	50.0	50.4	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5
≥ 10000	19.6	35.6	45.2	50.4	53.3	54.8	55.2	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3
≥ 9000	19.6	35.9	45.9	51.1	54.1	55.6	55.9	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0
≥ 8000	22.6	41.5	53.3	63.0	67.4	69.6	70.4	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9
≥ 7000	22.6	41.5	54.1	63.7	68.9	71.1	71.9	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3
≥ 6000	22.6	41.9	54.4	64.1	69.3	71.5	72.2	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7
≥ 5000	22.6	41.9	54.4	64.1	69.3	72.2	73.0	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4
≥ 4500	22.6	41.9	54.4	64.1	69.3	72.2	73.0	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4
≥ 4000	23.7	43.0	55.9	65.6	71.1	74.4	75.2	76.7	76.7	76.7	76.7	76.7	76.7	77.0	77.0	77.0
≥ 3500	24.8	44.1	57.0	66.7	72.2	75.6	76.3	77.8	77.8	77.8	77.8	77.8	77.8	78.1	78.1	78.1
≥ 3000	24.8	44.1	57.8	68.1	73.7	77.0	78.1	80.7	80.7	80.7	80.7	80.7	80.7	81.1	81.1	81.1
≥ 2500	25.2	45.2	59.3	70.0	75.6	78.9	80.0	82.6	82.6	83.0	83.0	83.0	83.0	83.3	83.3	83.3
≥ 2000	26.3	48.1	62.6	73.3	79.3	83.0	84.1	86.7	86.7	87.0	87.0	87.0	87.0	87.4	87.4	87.4
≥ 1800	26.3	48.1	62.6	73.3	79.3	83.0	84.1	86.7	86.7	87.0	87.0	87.0	87.0	87.4	87.4	87.4
≥ 1600	27.4	49.3	63.7	74.4	81.1	85.2	86.3	88.9	88.9	89.3	89.3	89.3	89.3	89.6	89.6	89.6
≥ 1400	27.4	49.3	63.7	74.4	81.1	85.2	86.3	88.9	88.9	89.3	89.3	89.3	89.3	89.6	89.6	89.6
≥ 1200	27.4	49.3	63.7	74.4	81.1	85.2	86.3	88.9	88.9	89.3	89.3	89.3	89.3	89.6	89.6	89.6
≥ 1000	27.4	49.3	64.1	75.2	81.9	85.9	87.0	89.6	89.6	90.0	90.0	90.0	90.0	90.4	90.4	90.4
≥ 900	27.4	49.3	64.1	75.2	81.9	85.9	87.0	89.6	89.6	90.0	90.0	90.0	90.0	90.4	90.4	90.4
≥ 800	27.4	49.3	64.1	75.2	81.9	85.9	87.0	89.6	89.6	90.4	90.4	90.4	90.4	90.7	90.7	90.7
≥ 700	27.4	49.3	64.1	75.2	81.9	85.9	87.0	89.6	89.6	90.4	90.4	90.4	90.4	90.7	90.7	90.7
≥ 600	27.4	49.3	64.1	75.9	82.6	87.4	88.5	91.1	91.1	91.1	91.1	91.1	91.1	91.9	91.9	91.9
≥ 500	27.4	49.3	64.1	75.9	82.6	87.4	88.5	91.1	91.1	91.1	91.1	91.1	91.1	91.9	91.9	91.9
≥ 400	27.4	49.3	64.1	76.3	83.0	88.9	90.7	93.3	93.3	93.7	94.4	94.4	94.4	94.8	94.8	94.8
≥ 300	27.4	49.3	64.1	77.0	83.7	89.6	91.9	95.6	95.6	95.9	97.8	97.8	97.8	98.1	98.1	98.1
≥ 200	27.4	49.3	64.1	77.0	83.7	89.6	91.9	95.6	95.6	95.9	97.8	97.8	97.8	98.1	98.1	98.1
≥ 100	27.4	49.3	64.1	77.0	83.7	89.6	91.9	95.6	95.6	95.9	97.8	97.8	97.8	98.1	98.1	98.1
≥ 0	27.4	49.3	64.1	77.0	83.7	89.6	91.9	95.6	95.6	95.9	97.8	97.8	97.8	98.1	98.1	98.1

TOTAL NUMBER OF OBSERVATIONS 270

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/AAC

# CEILING VERSUS VISIBILITY

42215 TAI-CHUNG TAIWAN/CHUNG GUAN KANG 62-71

APR

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1200-1400

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥9	≥8	≥7	≥6	≥5	≥4	≥3	≥2	≥1	≥1/2	≥1/4	≥1/8	≥1/16	≥1/32	≥1/64
NO CEILING	17.4	31.1	37.8	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4
IV 2000	21.9	38.1	44.8	48.1	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9
IV 1800	21.9	38.5	45.2	48.5	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3
IV 1600	21.9	38.5	45.2	48.5	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3
IV 1400	21.9	38.9	45.6	48.9	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6
IV 1200	24.4	42.2	50.0	53.7	54.4	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2
IV 1000	26.7	48.9	57.8	62.6	63.3	64.1	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4
IV 900	28.1	50.7	59.6	64.4	65.2	65.9	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3
IV 800	31.5	58.5	68.9	75.9	78.1	78.9	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3
IV 700	31.5	58.9	69.3	77.0	80.0	80.7	81.1	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5
IV 600	31.5	58.9	69.3	77.0	80.4	81.1	81.5	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
IV 500	31.5	58.9	69.6	77.8	81.9	83.0	83.3	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7
IV 450	31.5	58.9	69.6	77.8	81.9	83.0	83.3	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7
IV 400	31.5	60.0	70.7	78.9	83.0	84.8	85.2	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6
IV 350	32.6	61.5	72.2	80.4	84.4	86.3	86.7	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0
IV 300	33.3	64.1	75.2	83.3	87.4	89.3	90.0	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4
IV 250	33.3	64.8	76.3	84.4	88.5	90.4	91.1	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5
IV 200	34.1	65.9	77.4	85.6	89.6	91.5	92.2	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0
IV 180	34.1	65.9	77.4	85.6	89.6	91.5	92.2	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0
IV 160	34.8	66.7	78.1	86.3	91.5	93.3	94.1	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
IV 140	34.8	67.0	78.9	87.8	93.0	94.8	95.6	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
IV 120	34.8	67.0	78.9	87.8	93.0	94.8	95.6	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
IV 100	34.8	67.0	78.9	88.1	93.3	95.2	95.9	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
IV 90	34.8	67.0	78.9	88.5	93.7	95.6	96.3	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
IV 80	35.2	67.4	79.3	89.3	94.4	96.3	97.0	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
IV 70	35.2	67.4	79.6	89.6	94.8	97.0	97.8	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
IV 60	35.2	67.8	79.6	90.0	95.2	97.4	98.1	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
IV 50	35.2	67.8	79.6	90.4	95.6	97.8	98.5	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
IV 40	35.2	67.8	79.6	90.4	95.6	97.8	98.5	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
IV 30	35.2	67.8	79.6	90.4	95.6	97.8	98.5	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
IV 20	35.2	67.8	79.6	90.4	95.6	97.8	98.5	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
IV 10	35.2	67.8	79.6	90.4	95.6	97.8	98.5	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
IV 0	35.2	67.8	79.6	90.4	95.6	97.8	98.5	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3

TOTAL NUMBER OF OBSERVATIONS 270

ATA PROCESSING DIVISION  
SAF ETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

42218 TAI-CHUNG TAIWAN/CHING CHUAN KANG 69-71

PR

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1200-1700

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ .75	≥ .5	≥ .25	≥ .15	≥ .1	≥ .05	≥ 0
NO CEILING	22.6	35.0	37.3	39.6	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0
≥ 20000	30.4	44.8	48.9	49.3	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
≥ 18000	30.4	44.8	48.9	49.3	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
≥ 16000	30.4	44.8	48.9	49.3	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
≥ 14000	31.9	46.3	50.4	50.7	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5
≥ 12000	32.2	48.5	52.6	53.0	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1
≥ 10000	33.9	54.1	58.5	58.9	61.1	61.1	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5
≥ 9000	37.0	55.2	59.6	60.0	62.2	62.2	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6
≥ 8000	40.4	63.0	68.1	69.6	72.6	72.6	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3
≥ 7000	42.2	66.3	71.9	74.4	77.8	77.8	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5
≥ 6000	43.0	67.0	72.6	73.2	78.5	78.5	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3
≥ 5000	43.3	67.4	73.0	73.6	79.3	79.3	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
≥ 4500	43.3	67.4	73.0	73.6	79.6	79.6	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4
≥ 4000	44.1	68.5	74.8	77.4	81.5	81.5	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
≥ 3500	45.2	69.6	75.9	78.5	82.6	84.1	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8
≥ 3000	45.6	70.7	77.0	79.6	83.7	85.2	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9
≥ 2500	45.6	71.1	77.4	80.0	84.4	85.9	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7
≥ 2000	45.6	72.2	78.9	81.9	87.0	88.9	90.0	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4
≥ 1800	45.6	72.2	78.9	81.9	87.0	88.9	90.0	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4
≥ 1500	45.6	73.3	80.0	83.3	88.9	90.7	91.9	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2
≥ 1200	45.9	73.7	80.4	83.7	89.3	91.1	92.2	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6
≥ 1000	45.9	73.7	80.4	83.7	89.3	91.1	92.2	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6
≥ 900	45.9	73.7	80.4	84.1	90.0	91.9	93.0	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
≥ 800	45.9	73.7	80.4	84.1	90.0	92.2	93.3	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7
≥ 700	45.9	73.7	80.4	84.4	90.7	93.0	94.1	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4
≥ 600	45.9	73.7	80.4	84.4	90.7	93.0	94.1	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
≥ 500	45.9	73.7	80.4	84.4	90.7	93.0	94.4	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2
≥ 400	45.9	74.1	80.7	84.8	91.1	94.4	95.9	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
≥ 300	45.9	74.4	81.1	85.2	91.5	94.8	96.3	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.8	97.8
≥ 200	45.9	74.4	81.1	85.2	91.5	94.8	96.3	97.8	98.3	98.3	98.3	98.3	98.3	98.3	98.9	98.9
≥ 100	45.9	74.4	81.1	85.2	91.5	94.8	96.3	97.8	98.3	98.3	98.3	98.3	98.3	98.3	99.6	100.0
≥ 0	45.9	74.4	81.1	85.2	91.5	94.8	96.3	97.8	98.3	98.3	98.3	98.3	98.3	98.3	99.6	100.0

TOTAL NUMBER OF OBSERVATIONS

270

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

42210 TAI-CHUNG TAIWAN/CHUNG CHUAN KANG 09-71

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1400-2000

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.75	≥0.5	≥0.25	≥0.15	≥0.1	≥0.05	≥0.025	≥0
NO CEILING	17.4	26.7	30.4	32.0	33.3	34.1	34.8	34.8	35.2	35.2	35.2	35.2	35.2	35.2	35.2	35.2
≥3000	20.0	30.7	35.2	37.4	38.9	39.6	40.4	40.4	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7
≥2800	20.0	30.7	35.2	37.4	38.9	39.6	40.4	40.4	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7
≥2600	20.0	30.7	35.2	37.4	38.9	39.6	40.4	40.4	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7
≥2400	20.4	31.5	35.2	38.5	40.0	40.7	41.5	41.5	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9
≥2200	20.4	32.6	37.8	40.7	42.6	43.3	44.1	44.1	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4
≥2000	23.3	38.1	44.4	49.3	51.1	52.2	53.0	53.0	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3
≥1800	24.4	39.3	45.6	50.4	52.2	53.3	54.1	54.1	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4
≥1600	26.7	44.8	53.0	60.7	63.0	65.6	66.3	66.3	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
≥1400	28.1	48.9	58.1	67.0	69.6	72.2	73.0	73.0	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3
≥1200	28.1	48.9	58.5	67.4	70.0	72.6	73.3	73.3	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7
≥1000	28.1	48.9	58.5	67.6	70.7	73.3	74.1	74.1	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4
≥800	28.5	49.3	59.3	69.3	72.2	76.3	77.0	77.8	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1
≥600	29.3	50.0	60.4	70.4	73.3	77.8	78.5	79.3	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6
≥400	31.9	52.6	63.0	73.3	76.3	80.7	81.5	82.2	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
≥200	33.0	54.1	64.4	75.6	78.5	83.0	83.7	84.8	85.2	85.2	85.2	85.6	85.6	85.6	85.6	85.6
≥100	33.0	54.8	65.2	76.7	80.4	84.8	85.6	86.7	87.4	87.4	87.4	87.8	87.8	87.8	87.8	87.8
≥50	33.3	55.2	65.6	77.0	80.7	85.2	85.9	87.0	87.8	87.8	87.8	88.1	88.1	88.1	88.1	88.1
≥25	33.3	55.2	65.6	77.0	80.7	85.2	85.9	87.0	87.8	87.8	87.8	88.1	88.1	88.1	88.1	88.1
≥12.5	33.3	55.2	65.6	77.0	81.1	85.6	86.3	87.4	88.1	88.1	88.1	88.5	88.5	88.5	88.5	88.5
≥6.25	33.3	55.2	65.6	77.0	81.1	85.6	86.3	87.4	88.1	88.1	88.1	88.5	88.5	88.5	88.5	88.5
≥3.125	33.3	55.2	65.6	77.0	81.1	86.3	87.0	88.1	88.9	88.9	88.9	89.3	89.3	89.3	89.3	89.3
≥1.5625	33.3	55.2	65.6	77.4	82.2	87.4	88.1	89.3	90.0	90.0	90.0	90.4	90.4	90.4	90.4	90.4
≥0.78125	33.3	55.2	65.6	77.4	82.6	87.8	88.5	89.6	90.4	90.4	90.4	90.7	90.7	90.7	90.7	90.7
≥0.390625	33.3	55.9	66.3	78.1	83.3	88.5	89.3	90.4	91.1	91.1	91.1	91.5	91.5	91.5	91.5	91.5
≥0.1953125	33.3	55.9	66.3	78.5	83.7	88.9	89.6	91.3	92.2	92.2	92.2	92.6	92.6	92.6	92.6	92.6
≥0.09765625	33.3	55.9	66.7	79.3	84.4	89.6	90.7	93.0	94.4	94.4	94.4	94.8	94.8	94.8	94.8	94.8
≥0.048828125	33.3	55.9	66.7	79.3	84.4	90.0	91.3	94.4	96.7	96.7	96.7	97.4	97.4	97.4	97.4	97.4
≥0.0244140625	33.3	55.9	66.7	79.3	84.4	90.0	91.9	95.2	97.4	97.8	97.8	98.9	99.3	99.3	99.3	99.3
≥0.01220703125	33.3	55.9	66.7	79.3	84.4	90.0	91.9	95.2	97.4	98.1	98.1	99.3	99.6	100.0	100.0	100.0
≥0.006103515625	33.3	55.9	66.7	79.3	84.4	90.0	91.9	95.2	97.4	98.1	98.1	99.3	99.6	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

210

AIR FORCE ENVIRONMENTAL TECHNICAL APPLICATIONS CENTER--ETC F/O 4/2  
CHING CHUAN KANG AB, KUNG KUAN, FORMOSA. REVISED UNIFORM SUMMAR--ETC(U)  
APR 72  
USAFETAC/DS-80/003

AIR FORCE ENVIRONMENTAL TECHNICAL APPLICATIONS CENTER--ETC F/O 4/2  
CHING CHUAN KANG AB, KUNG KUAN, FORMOSA. REVISED UNIFORM SUMMAR--ETC(U)  
APR 72  
USAFETAC/DS-80/003

APR 72  
USAFETAC/DS-80/083

NL

3-5  
S  
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DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

42218  
STATION

TAI-CHUNG TAIWAN/CHING CHUAN KANG 69-71  
STATION NAME YEARS

PRR

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

2100-2300  
HOURS

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	≥5/16	¾	≥0
NO CEILING		15.2	23.3	25.9	31.5	33.0	34.8	36.3	36.3	36.3	36.3	36.3	36.3	36.3	36.7	37.0
≥ 20000		16.7	26.7	29.3	35.6	37.8	39.6	41.1	41.1	41.5	41.5	41.5	41.5	41.5	41.9	42.2
≥ 18000		16.7	26.7	29.3	35.6	37.8	39.6	41.1	41.1	41.5	41.5	41.5	41.5	41.5	41.9	42.2
≥ 16000		16.7	26.7	29.3	35.6	37.8	39.6	41.1	41.1	41.5	41.5	41.5	41.5	41.5	41.9	42.2
≥ 14000		16.7	26.7	29.3	35.6	38.1	40.0	41.5	41.5	41.9	41.9	41.9	41.9	41.9	42.2	42.6
≥ 12000		17.4	27.4	30.4	36.7	39.6	41.9	43.3	43.3	43.7	43.7	43.7	44.1	44.1	44.4	44.8
≥ 10000		19.6	31.5	35.2	43.3	46.7	49.6	51.1	51.1	51.5	51.5	51.5	51.9	51.9	52.2	52.6
≥ 9000		19.6	31.5	35.2	43.3	46.7	49.6	51.1	51.1	51.5	51.5	51.5	51.9	51.9	52.2	52.6
≥ 8000		21.5	37.0	43.7	54.4	57.8	61.5	63.0	63.7	64.1	64.1	64.1	64.4	64.4	64.8	65.2
≥ 7000		23.6	41.5	48.1	60.0	63.3	67.0	69.6	70.4	70.7	70.7	70.7	71.1	71.1	71.5	71.9
≥ 6000		23.6	41.5	49.3	61.9	65.2	68.9	71.5	72.2	72.6	72.6	72.6	73.0	73.0	73.3	73.7
≥ 5000		23.6	41.5	49.3	61.9	65.2	68.9	71.5	72.2	72.6	72.6	72.6	73.0	73.0	73.3	73.7
≥ 4500		23.9	41.9	49.6	62.2	65.6	69.3	71.9	72.6	73.0	73.0	73.0	73.3	73.3	73.7	74.1
≥ 4000		27.0	43.7	51.5	64.8	68.9	73.3	75.9	76.7	77.0	77.0	77.0	77.4	77.4	77.8	78.1
≥ 3500		29.3	45.9	53.7	67.0	71.1	77.0	79.6	80.4	80.7	80.7	80.7	81.1	81.1	81.5	81.9
≥ 3000		31.1	47.8	55.6	68.9	73.3	79.3	81.9	82.6	83.0	83.0	83.0	83.3	83.3	83.7	84.1
≥ 2500		33.3	50.4	58.1	71.5	75.9	81.9	84.4	85.2	85.6	85.6	85.6	85.9	85.9	86.7	87.0
≥ 2000		34.1	51.1	58.9	72.2	76.7	82.6	85.6	86.7	87.4	87.4	87.4	87.8	87.8	88.5	88.9
≥ 1800		34.1	51.1	58.9	72.2	76.7	82.6	85.6	86.7	87.4	87.4	87.4	87.8	87.8	88.5	88.9
≥ 1500		34.1	51.1	59.3	72.6	77.0	83.0	85.9	87.0	87.8	87.8	87.8	88.1	88.1	88.9	89.3
≥ 1200		34.8	52.2	60.0	73.3	77.8	83.7	86.7	87.8	88.5	88.5	88.5	88.9	88.9	89.6	90.0
≥ 1000		34.8	52.2	60.0	73.3	77.8	84.1	87.0	88.1	88.9	88.9	88.9	89.3	89.3	90.0	90.4
≥ 900		34.8	52.2	60.0	73.3	77.8	84.1	87.0	88.1	88.9	88.9	88.9	89.3	89.3	90.0	90.4
≥ 800		34.8	52.2	60.0	73.3	78.1	84.4	87.4	88.5	89.3	89.3	89.3	89.6	89.6	90.4	90.7
≥ 700		34.8	52.2	60.0	73.3	78.1	84.4	87.4	88.5	89.3	89.3	89.3	89.6	89.6	90.4	90.7
≥ 600		34.8	53.3	61.1	74.4	79.3	85.6	88.5	89.6	90.7	90.7	90.7	91.1	91.1	91.9	92.2
≥ 500		34.8	53.7	61.5	74.8	80.0	86.3	89.3	90.7	91.9	91.9	91.9	92.2	92.2	93.0	93.3
≥ 400		34.8	53.7	62.6	75.9	81.1	87.4	90.4	91.9	93.0	93.0	93.0	93.3	93.3	94.1	94.4
≥ 300		34.8	54.1	63.0	76.3	81.5	87.8	90.7	92.2	93.3	93.7	93.7	94.1	94.1	94.8	95.2
≥ 200		34.8	54.1	63.0	76.3	81.5	87.8	91.1	93.0	94.1	94.8	94.8	95.2	95.2	97.4	98.1
≥ 100		34.8	54.1	63.0	76.3	81.5	87.8	91.1	93.0	94.1	94.8	94.8	95.2	95.6	98.1	99.6
≥ 0		34.8	54.1	63.0	76.3	81.5	87.8	91.1	93.0	94.1	94.8	94.8	95.2	95.6	98.1	100.0

TOTAL NUMBER OF OBSERVATIONS 270



DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

4221R TAI-CHUNG TAIWAN/CHING CHUAN KANG 69-71

YEARS DAY MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0000-0200  
HOURS

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.5	≥.4	≥.3	≥.25	≥.2	≥.1
NO CEILING		19.4	25.2	30.2	34.5	37.1	39.9	39.9	39.9	40.3	40.3	40.3	40.3	40.3	40.3	40.3
≥ 20000		23.0	28.8	33.8	38.1	40.6	43.5	43.5	43.5	43.9	43.9	43.9	43.9	43.9	43.9	43.9
≥ 18000		23.0	28.8	33.8	38.1	40.6	43.5	43.5	43.5	43.9	43.9	43.9	43.9	43.9	43.9	43.9
≥ 16000		23.0	28.8	33.8	38.1	40.6	43.5	43.5	43.5	43.9	43.9	43.9	43.9	43.9	43.9	43.9
≥ 14000		23.0	28.8	33.8	38.1	40.6	43.5	43.5	43.5	43.9	43.9	43.9	43.9	43.9	43.9	43.9
≥ 12000		23.4	29.1	35.3	39.6	42.1	45.0	45.0	45.0	45.3	45.3	45.3	45.3	45.3	45.3	45.3
≥ 10000		29.5	35.0	43.2	48.2	51.8	54.7	54.7	54.7	55.0	55.0	55.0	55.0	55.0	55.0	55.0
≥ 9000		31.3	37.4	46.0	51.1	54.7	57.6	57.6	57.6	57.9	57.9	57.9	57.9	57.9	57.9	57.9
≥ 8000		34.2	42.4	52.5	59.0	62.9	66.5	66.5	66.5	67.3	67.3	67.3	67.3	67.3	67.3	67.3
≥ 7000		36.7	45.3	55.4	61.9	65.8	70.1	70.1	70.1	71.2	71.2	71.2	71.2	71.2	71.2	71.2
≥ 6000		36.7	45.3	55.8	62.2	66.2	70.5	70.5	70.5	71.6	71.6	71.6	71.6	71.6	71.6	71.6
≥ 5000		37.8	47.8	58.3	64.7	68.7	73.0	73.0	73.0	74.1	74.1	74.1	74.1	74.1	74.1	74.1
≥ 4500		37.8	47.8	58.3	64.7	68.7	73.0	73.0	73.0	74.1	74.1	74.1	74.1	74.1	74.1	74.1
≥ 4000		39.6	50.0	60.4	66.9	72.3	76.6	76.6	76.6	77.7	77.7	77.7	77.7	77.7	77.7	77.7
≥ 3500		39.9	50.4	61.2	68.3	73.7	78.1	78.1	78.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1
≥ 3000		41.0	52.2	62.9	70.9	77.3	81.7	82.4	82.4	83.5	83.5	83.5	83.5	83.5	83.5	83.5
≥ 2500		42.8	54.0	64.7	72.7	79.1	83.5	84.5	84.5	85.6	86.0	86.0	86.0	86.0	86.0	86.0
≥ 2000		43.9	55.0	65.8	73.7	80.6	84.9	86.0	86.0	87.1	87.4	87.4	87.4	87.4	87.4	87.4
≥ 1800		43.9	55.0	65.8	73.7	80.6	84.9	86.0	86.0	87.1	87.4	87.4	87.4	87.4	87.4	87.4
≥ 1500		43.9	55.0	65.8	73.7	80.6	84.9	86.0	86.0	87.1	87.4	87.4	87.4	87.4	87.4	87.4
≥ 1200		44.6	55.8	66.5	74.5	81.3	85.0	86.7	86.7	87.8	88.1	88.1	88.1	88.1	88.1	88.1
≥ 1000		44.6	55.8	66.5	75.2	82.0	86.3	87.4	87.4	88.5	88.8	88.8	88.8	88.8	88.8	88.8
≥ 900		44.6	55.8	67.3	75.9	82.7	87.1	88.1	88.1	89.2	89.6	89.6	89.6	89.6	89.6	89.6
≥ 800		44.6	55.8	67.3	75.9	82.7	87.1	88.1	88.1	89.2	89.6	89.6	89.6	89.6	89.6	89.6
≥ 700		44.6	55.8	67.3	75.9	84.2	88.5	89.6	89.6	90.6	91.0	91.0	91.0	91.0	91.0	91.0
≥ 600		44.6	55.8	67.3	75.9	84.2	88.5	89.6	89.6	90.6	91.0	91.0	91.0	91.0	91.0	91.0
≥ 500		44.6	55.8	67.3	75.9	84.2	88.5	89.6	89.6	90.6	91.0	91.0	91.0	91.0	91.0	91.0
≥ 400		44.6	56.1	67.6	76.3	85.3	89.6	91.4	91.4	92.4	92.8	92.8	92.8	92.8	92.8	92.8
≥ 300		45.0	56.5	68.0	76.6	85.6	90.3	94.2	94.2	95.7	96.0	96.0	96.4	96.4	96.4	96.4
≥ 200		45.0	56.5	68.0	76.6	85.6	91.0	95.0	95.0	96.4	96.8	96.8	97.8	97.8	97.8	98.2
≥ 100		45.0	56.5	68.0	76.6	85.6	91.0	95.0	95.0	96.4	96.8	97.1	98.9	98.9	99.3	99.6
≥ 0		45.0	56.5	68.0	76.6	85.6	91.0	95.0	95.0	96.4	96.8	97.1	98.9	98.9	99.3	100.0

TOTAL NUMBER OF OBSERVATIONS 278

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

4221R  
STATION

TAI-CHUNG TAIWAN/CHING CHUAN KANG 69-71  
STATION NAME

YEARS

DAY  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0300-0500  
HOURS, LST

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1.25	≥ 1	≥ .75	≥ .5	≥ .25	≥ .16	≥ .1	≥ 0
NO CEILING		12.9	17.6	22.6	28.3	29.4	31.2	31.5	31.5	32.3	32.6	32.6	32.6	32.6	32.6	33.3
≥ 20000		14.7	20.4	25.8	31.5	32.6	34.4	34.8	34.8	35.5	35.8	35.8	35.8	35.8	35.8	36.6
≥ 18000		14.7	20.4	25.8	31.9	33.0	34.8	35.1	35.1	35.8	36.2	36.2	36.2	36.2	36.2	36.9
≥ 16000		14.7	20.4	25.8	31.9	33.0	34.8	35.1	35.1	35.8	36.2	36.2	36.2	36.2	36.2	36.9
≥ 14000		15.1	20.8	26.2	32.3	33.3	35.1	35.5	35.5	36.2	36.6	36.6	36.6	36.6	36.6	37.3
≥ 12000		15.8	21.5	28.0	34.1	35.1	36.9	37.3	37.3	38.0	38.4	38.4	38.4	38.4	38.4	39.1
≥ 10000		19.4	26.2	33.3	40.1	41.6	44.1	44.8	44.8	45.5	45.9	45.9	45.9	45.9	45.9	46.6
≥ 9000		20.1	26.9	34.1	41.9	43.4	45.9	46.6	46.6	47.3	47.7	47.7	47.7	47.7	47.7	48.4
≥ 8000		26.2	33.7	42.7	53.0	54.5	57.7	58.4	58.4	59.1	59.5	59.5	59.5	59.5	59.5	60.6
≥ 7000		29.4	36.9	45.9	56.3	57.7	61.3	62.0	62.0	62.7	63.1	63.1	63.1	63.1	63.1	64.2
≥ 6000		30.1	38.7	47.7	58.1	59.5	63.1	63.8	63.8	64.5	64.9	64.9	64.9	64.9	64.9	65.9
≥ 5000		31.2	40.1	49.5	59.9	61.3	65.2	65.9	65.9	66.7	67.0	67.0	67.0	67.0	67.0	68.1
≥ 4500		31.2	40.1	49.5	59.9	61.3	65.2	65.9	65.9	66.7	67.0	67.0	67.0	67.0	67.0	68.1
≥ 4000		31.2	40.9	50.5	60.9	63.4	67.7	68.8	68.8	69.5	69.9	69.9	69.9	69.9	69.9	71.0
≥ 3500		31.9	41.9	51.6	62.7	65.2	69.5	70.6	70.6	71.3	71.7	71.7	71.7	71.7	71.7	72.8
≥ 3000		33.7	44.4	54.1	65.9	68.8	73.1	74.6	74.6	75.3	75.6	75.6	75.6	75.6	75.6	76.7
≥ 2500		34.8	45.5	55.2	67.4	70.3	74.6	76.0	76.0	76.7	77.1	77.1	77.1	77.1	77.1	78.1
≥ 2000		35.8	46.6	56.6	68.8	71.7	76.0	78.5	78.5	79.2	79.9	79.9	80.6	80.6	80.6	81.7
≥ 1800		35.8	46.6	56.6	68.8	71.7	76.0	78.5	78.5	79.2	79.9	79.9	80.6	80.6	80.6	81.7
≥ 1500		36.2	47.0	57.0	69.2	72.0	76.3	78.9	78.9	79.6	80.3	80.3	81.0	81.0	81.0	82.1
≥ 1200		36.9	48.4	58.4	70.6	74.6	78.9	81.4	81.4	82.1	82.8	82.8	83.5	83.5	83.5	84.6
≥ 1000		36.9	48.4	58.4	70.6	74.6	78.9	81.7	81.7	82.4	83.2	83.2	84.2	84.2	84.2	85.3
≥ 900		36.9	48.4	58.4	70.6	74.6	78.9	81.7	81.7	82.4	83.2	83.2	84.2	84.2	84.2	85.3
≥ 800		37.3	49.5	59.5	71.7	75.6	79.9	82.8	82.8	83.5	84.2	84.2	85.3	85.3	85.3	86.4
≥ 700		37.3	49.5	59.5	71.7	76.7	81.0	83.9	83.9	84.9	85.7	85.7	86.7	86.7	86.7	87.8
≥ 600		38.0	50.5	60.9	73.1	78.1	83.2	86.4	86.4	87.3	88.2	88.2	89.2	89.2	89.2	90.3
≥ 500		38.0	50.5	60.9	73.1	78.1	83.2	86.4	86.4	87.3	88.2	88.2	89.2	89.2	89.2	90.3
≥ 400		38.4	51.3	61.6	73.8	78.9	84.9	90.3	90.3	91.8	92.5	92.5	93.5	93.5	93.5	94.6
≥ 300		38.4	51.3	61.6	73.8	78.9	84.9	91.4	91.8	93.2	93.9	93.9	95.3	95.3	95.3	96.4
≥ 200		38.4	51.3	62.0	74.2	79.2	85.3	92.1	92.5	93.9	95.0	95.0	96.8	96.8	96.8	97.8
≥ 100		38.4	51.3	62.0	74.2	79.6	86.0	92.8	93.2	94.6	95.7	95.7	97.8	97.8	97.8	99.6
≥ 0		38.4	51.3	62.0	74.2	79.6	86.0	92.8	93.2	94.6	95.7	95.7	97.8	97.8	97.8	100.0

TOTAL NUMBER OF OBSERVATIONS

279

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

4221R  
STATION

TAI-CHUNG TAIWAN/CHING CHUAN KANG 69-71  
STATION NAME

AY  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0600-0800  
HOURS

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 1/8	≥ 0
NO CEILING		10.0	14.7	22.9	26.2	29.0	29.7	30.5	30.8	31.2	31.5	31.5	31.9	31.9	31.9	32.3
≥ 20000		12.5	17.6	27.2	31.5	34.4	36.2	36.9	37.6	38.0	38.4	38.4	38.7	38.7	38.7	39.1
≥ 18000		12.5	17.6	27.2	31.5	34.4	36.2	36.9	37.6	38.0	38.4	38.4	38.7	38.7	38.7	39.1
≥ 16000		12.5	17.6	27.2	31.5	34.4	36.2	36.9	37.6	38.0	38.4	38.4	38.7	38.7	38.7	39.1
≥ 14000		14.0	19.4	29.4	34.8	37.6	39.8	40.5	41.2	41.6	41.9	41.9	42.3	42.3	42.3	42.7
≥ 12000		15.4	21.5	33.0	40.9	43.7	46.6	47.3	48.0	48.4	48.7	48.7	49.5	49.5	49.5	49.8
≥ 10000		17.2	23.7	35.5	44.1	48.4	52.0	53.4	54.5	54.8	55.2	55.6	56.3	56.3	56.3	56.6
≥ 9000		17.6	24.0	36.2	45.2	49.5	53.0	54.5	55.6	55.9	56.3	56.6	57.3	57.3	57.3	57.7
≥ 8000		19.0	27.2	42.3	52.0	57.0	61.6	63.1	64.2	64.9	65.2	65.6	66.3	66.3	66.3	66.7
≥ 7000		20.1	28.3	43.7	53.4	58.4	63.1	64.5	65.9	66.7	67.0	67.4	68.1	68.1	68.1	68.5
≥ 6000		20.4	29.0	44.4	54.5	59.9	64.5	65.9	67.4	68.1	68.5	68.8	69.5	69.5	69.5	69.9
≥ 5000		21.5	30.5	46.2	56.6	62.0	67.0	68.5	69.9	70.6	71.0	71.3	72.0	72.0	72.4	72.8
≥ 4500		21.5	30.5	46.2	56.6	62.0	67.0	68.5	69.9	70.6	71.0	71.3	72.0	72.0	72.4	72.8
≥ 4000		22.6	32.3	48.7	59.1	64.9	70.3	71.7	73.5	74.6	75.3	75.6	76.7	76.7	77.4	77.8
≥ 3500		22.9	33.3	49.8	61.3	67.0	72.4	74.2	76.0	77.8	78.5	78.9	79.9	79.9	80.6	81.0
≥ 3000		23.3	34.1	51.3	62.7	68.5	73.8	76.3	78.1	79.9	80.6	81.0	82.1	82.1	82.8	83.2
≥ 2500		24.0	34.8	52.3	64.2	69.9	75.3	78.1	79.9	81.7	82.4	82.8	83.9	83.9	84.6	84.9
≥ 2000		24.0	35.1	53.0	64.9	71.0	76.7	79.6	81.4	83.2	83.9	84.2	85.3	85.3	86.0	86.4
≥ 1800		24.0	35.1	53.0	64.9	71.0	76.7	79.6	81.4	83.2	83.9	84.2	85.3	85.3	86.0	86.4
≥ 1500		24.0	35.1	53.0	64.9	71.7	78.1	81.0	82.8	84.6	85.3	85.7	86.7	86.7	87.5	87.8
≥ 1200		24.0	36.6	54.5	66.7	73.5	79.9	82.8	84.6	86.4	87.1	87.5	88.5	88.5	89.2	89.6
≥ 1000		24.0	36.6	54.5	66.7	73.5	80.3	83.2	84.9	86.7	87.5	87.8	88.9	88.9	89.6	90.0
≥ 900		24.0	36.6	54.5	66.7	73.5	80.3	83.5	85.3	87.1	87.8	88.2	89.2	89.2	90.0	90.3
≥ 800		24.0	36.9	54.8	67.0	73.8	80.6	83.9	85.7	87.5	88.2	88.5	89.6	89.6	90.3	90.7
≥ 700		24.0	36.9	55.2	67.7	74.9	81.7	85.3	87.1	88.9	89.6	90.0	91.0	91.0	91.8	92.1
≥ 600		24.0	36.9	55.2	67.7	75.6	82.4	86.0	88.2	90.0	91.0	91.4	92.5	92.5	93.2	93.5
≥ 500		24.0	36.9	55.2	67.7	76.0	82.8	87.1	89.2	91.4	92.5	92.8	93.9	93.9	94.6	95.0
≥ 400		24.7	37.6	55.9	68.5	76.7	83.5	87.8	90.0	92.1	93.5	93.9	95.0	95.0	95.7	96.1
≥ 300		24.7	37.6	55.9	68.5	76.7	83.5	87.8	90.0	92.5	93.9	94.3	95.7	95.7	96.8	97.1
≥ 200		24.7	37.6	56.3	69.5	77.8	84.9	89.2	91.4	93.9	95.7	96.1	97.5	97.5	98.9	99.3
≥ 100		24.7	37.6	56.3	69.5	77.8	84.9	89.2	91.4	93.9	95.7	96.1	97.5	97.5	98.9	99.3
≥ 0		24.7	37.6	56.3	69.5	77.8	84.9	89.2	91.4	93.9	95.7	96.1	97.5	97.5	98.9	99.3

TOTAL NUMBER OF OBSERVATIONS 279

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

4221R  
STATION

TAI-CHUNG TAIWAN/CHING CHUAN KANG 69-71  
STATION NAME

YEARS

DAY  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0900-1100  
HOURS, CST

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 1/32	≥ 0
NO CEILING		19.7	25.1	28.7	30.8	31.2	31.2	31.5	31.5	31.5	31.5	31.5	31.5	31.5	31.5	31.5
≥ 20000		24.0	31.9	36.6	39.1	39.4	39.4	39.8	39.8	39.8	39.8	39.8	39.8	39.8	39.8	39.8
≥ 18000		24.7	32.6	37.3	39.8	40.1	40.1	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5
≥ 16000		24.7	33.0	37.6	40.1	40.5	40.5	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9
≥ 14000		29.0	38.4	43.4	46.2	46.6	46.6	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0
≥ 12000		30.5	40.5	45.9	49.1	49.5	49.5	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8
≥ 10000		34.4	45.5	51.6	58.1	59.1	59.1	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5
≥ 9000		34.8	45.9	52.7	59.1	60.2	60.2	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6
≥ 8000		38.0	50.2	58.1	64.9	65.9	66.3	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
≥ 7000		39.1	51.3	59.5	66.7	67.7	68.1	68.5	68.5	68.8	68.8	68.8	68.8	68.8	68.8	68.8
≥ 6000		39.1	52.0	60.9	68.1	69.5	69.9	70.3	70.3	70.6	70.6	70.6	70.6	70.6	70.6	70.6
≥ 5000		39.4	53.0	62.4	69.5	71.0	71.3	71.7	71.7	72.0	72.0	72.0	72.0	72.0	72.0	72.0
≥ 4500		39.4	53.0	62.4	69.5	71.0	71.3	71.7	71.7	72.0	72.0	72.0	72.0	72.0	72.0	72.0
≥ 4000		40.5	54.1	63.8	71.0	73.1	73.8	74.2	74.2	74.6	74.6	74.6	74.6	74.6	74.6	74.6
≥ 3500		42.3	55.9	66.3	74.2	76.3	77.1	77.4	77.4	77.8	77.8	77.8	77.8	77.8	77.8	77.8
≥ 3000		43.7	57.7	68.5	76.7	79.2	79.9	80.3	80.3	80.6	80.6	80.6	80.6	80.6	80.6	80.6
≥ 2500		45.9	60.2	71.3	80.3	82.8	83.5	83.9	83.9	84.2	84.2	84.2	84.2	84.2	84.2	84.2
≥ 2000		48.4	64.9	76.0	86.0	89.2	90.0	90.3	90.7	91.0	91.0	91.0	91.0	91.0	91.0	91.0
≥ 1800		48.7	65.2	76.3	86.4	89.6	90.3	90.7	91.0	91.4	91.4	91.4	91.4	91.4	91.4	91.4
≥ 1500		50.5	67.0	78.9	88.9	92.1	92.8	93.2	93.5	93.9	94.3	94.3	94.3	94.3	94.3	94.3
≥ 1200		50.5	67.4	79.6	90.0	93.2	93.9	94.3	94.6	95.0	95.3	95.3	95.3	95.3	95.3	95.3
≥ 1000		50.5	67.4	79.6	90.0	93.2	93.9	94.3	94.6	95.0	95.3	95.3	95.3	95.3	95.3	95.3
≥ 900		50.5	67.4	79.9	90.3	93.5	94.3	94.6	95.0	95.3	95.7	95.7	95.7	95.7	95.7	95.7
≥ 800		50.9	67.7	80.6	91.0	94.3	95.0	95.3	95.7	96.1	96.4	96.4	96.8	96.8	96.8	96.8
≥ 700		50.9	67.7	80.6	91.8	95.0	95.7	96.1	96.4	96.8	97.1	97.1	97.5	97.5	97.5	97.5
≥ 600		50.9	67.7	80.6	91.8	95.0	96.1	96.4	96.8	97.1	97.5	97.5	97.8	97.8	97.8	97.8
≥ 500		50.9	67.7	80.6	92.5	95.7	96.8	97.1	97.5	97.8	98.2	98.2	98.6	98.6	98.6	98.6
≥ 400		50.9	67.7	80.6	92.5	96.1	97.1	97.5	97.8	98.2	98.6	98.6	98.9	98.9	98.9	98.9
≥ 300		50.9	67.7	80.6	92.5	96.1	97.8	98.2	98.6	98.9	99.3	99.3	99.6	99.6	99.6	99.6
≥ 200		50.9	67.7	80.6	92.8	96.4	98.2	98.6	98.9	99.3	99.6	99.6	100.0	100.0	100.0	100.0
≥ 100		50.9	67.7	80.6	92.8	96.4	98.2	98.6	98.9	99.3	99.6	99.6	100.0	100.0	100.0	100.0
≥ 0		50.9	67.7	80.6	92.8	96.4	98.2	98.6	98.9	99.3	99.6	99.6	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 279

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

42218  
STATION

TAI-CHUNG TAIWAN/CHING CHUAN KANG 69-71  
STATION NAME

YEARS

AY

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1200-1400  
HOURS

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	¾	≥5/16	≥¼
NO CEILING		31.5	33.3	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5
≥ 20000		41.2	43.4	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5
≥ 18000		41.9	44.1	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2
≥ 16000		41.9	44.1	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2
≥ 14000		45.9	50.2	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0
≥ 12000		47.3	53.0	56.6	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0
≥ 10000		52.0	60.9	65.6	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
≥ 9000		52.7	62.7	68.1	69.2	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5
≥ 8000		53.4	65.6	72.8	73.8	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
≥ 7000		54.8	68.5	76.0	77.4	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8
≥ 6000		55.6	69.2	76.7	78.1	78.5	78.5	78.5	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9
≥ 5000		55.6	69.2	76.7	78.1	78.5	78.5	78.5	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9
≥ 4500		55.9	69.9	77.4	78.9	79.2	79.2	79.2	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6
≥ 4000		56.6	70.6	78.1	79.9	80.3	80.3	80.3	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6
≥ 3500		58.4	72.4	79.9	82.1	82.4	82.4	82.4	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8
≥ 3000		59.5	74.6	83.2	85.3	85.7	85.7	85.7	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0
≥ 2500		61.6	76.7	85.3	87.8	88.2	88.2	88.2	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5
≥ 2000		63.8	80.3	88.9	91.4	91.8	91.8	91.8	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1
≥ 1800		63.8	80.3	88.9	91.4	91.8	91.8	91.8	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1
≥ 1500		64.9	81.4	90.3	92.8	93.2	93.2	93.2	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5
≥ 1200		65.6	82.1	91.4	93.9	94.3	94.3	94.3	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6
≥ 1000		65.6	82.1	91.4	93.9	94.3	94.3	94.3	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6
≥ 900		65.6	82.1	91.4	93.9	94.3	94.3	94.3	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6
≥ 800		65.6	82.1	91.4	93.9	94.3	94.3	94.3	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6
≥ 700		65.6	82.1	91.4	93.9	94.3	94.3	94.3	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6
≥ 600		65.6	82.1	91.4	93.9	94.3	94.3	94.3	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6
≥ 500		65.6	82.1	91.4	93.9	94.3	94.3	94.3	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6
≥ 400		65.6	82.1	91.4	93.9	94.3	94.3	94.3	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6
≥ 300		65.6	82.1	91.4	93.9	94.3	94.3	94.3	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6
≥ 200		65.6	82.1	91.4	93.9	94.3	94.3	94.3	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6
≥ 100		65.6	82.1	91.4	93.9	94.3	94.3	94.3	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6
≥ 0		65.6	82.1	91.4	93.9	94.3	94.3	94.3	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6

TOTAL NUMBER OF OBSERVATIONS 279

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

4221R TAI-CHUNG TAIWAN/CHING CHUAN KANG 69-71

YEARS MONTH DAY

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1500-1700  
HOURS (EST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1.25	≥ 1	≥ .75	≥ .5	≥ .25	≥ .16	≥ .1	≥ 0
NO CEILING		34.8	37.6	37.6	37.6	37.6	37.6	37.6	37.6	37.6	37.6	37.6	37.6	37.6	37.6	37.6
≥ 20000		47.7	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3
≥ 18000		47.7	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3
≥ 16000		47.7	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3
≥ 14000		50.5	54.8	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6
≥ 12000		55.2	59.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9
≥ 10000		63.1	69.5	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
≥ 9000		63.1	69.9	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
≥ 8000		65.6	74.2	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1
≥ 7000		67.4	76.7	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6
≥ 6000		69.2	79.2	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8
≥ 5000		69.2	79.2	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5
≥ 4500		69.2	79.2	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5
≥ 4000		70.6	80.6	84.9	84.9	84.9	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3
≥ 3500		70.6	81.0	85.3	85.7	85.7	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0
≥ 3000		70.6	82.1	86.7	87.1	87.1	87.5	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8
≥ 2500		72.4	84.2	88.9	89.2	89.6	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
≥ 2000		73.5	85.3	90.0	90.3	91.0	91.4	91.4	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8
≥ 1800		73.5	85.3	90.0	90.3	91.0	91.4	91.4	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8
≥ 1500		74.2	86.0	90.7	91.0	91.8	92.1	92.1	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5
≥ 1200		74.9	86.7	91.4	92.5	93.2	93.9	93.9	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
≥ 1000		75.3	87.1	92.1	93.2	93.9	94.6	94.6	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0
≥ 900		75.3	87.1	92.1	93.2	93.9	94.6	94.6	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0
≥ 800		75.3	87.8	92.8	93.9	94.6	95.3	95.3	95.7	95.7	96.1	96.1	96.1	96.1	96.1	96.1
≥ 700		75.6	88.2	93.2	94.3	95.0	95.7	95.7	96.1	96.1	96.4	96.4	96.4	96.4	96.4	96.4
≥ 600		75.6	88.2	93.2	94.6	95.3	96.1	96.1	96.8	96.8	97.1	97.1	97.1	97.1	97.1	97.1
≥ 500		76.3	88.9	93.9	95.3	96.1	97.1	97.1	97.8	98.2	98.6	98.6	98.6	98.6	98.6	98.6
≥ 400		76.3	88.9	94.3	95.7	96.4	97.5	97.5	98.2	98.6	98.9	98.9	98.9	98.9	98.9	98.9
≥ 300		76.3	88.9	94.6	96.1	96.8	97.8	97.8	98.6	99.3	99.6	99.6	99.6	99.6	99.6	99.6
≥ 200		76.3	88.9	94.6	96.1	96.8	97.8	97.8	98.6	99.3	99.6	99.6	99.6	99.6	99.6	99.6
≥ 100		76.3	88.9	94.6	96.1	96.8	97.8	97.8	98.6	99.3	99.6	100.0	100.0	100.0	100.0	100.0
≥ 0		76.3	88.9	94.6	96.1	96.8	97.8	97.8	98.6	99.3	99.6	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 279

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

42218 TAI-CHUNG TAIWAN/CHING CHUAN KANG 69-71

AY

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1800-2000

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	≥5/16	¾	≥0
NO CEILING		22.9	30.8	32.6	34.1	34.4	34.4	34.4	34.4	34.4	34.4	34.4	34.4	34.4	34.4	34.4
≥ 20000		35.8	44.4	46.2	47.7	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0
≥ 18000		36.2	44.8	46.6	48.0	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4
≥ 16000		36.9	45.5	47.3	48.7	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1
≥ 14000		37.6	46.2	48.4	49.8	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2
≥ 12000		40.1	48.7	50.9	53.4	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8
≥ 10000		44.1	54.1	57.3	60.2	60.6	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9
≥ 9000		44.8	55.2	59.1	62.0	62.4	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7
≥ 8000		50.2	62.0	66.3	71.3	71.7	72.0	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4
≥ 7000		53.4	67.4	71.7	78.1	78.9	79.2	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6
≥ 6000		54.5	68.8	73.5	80.6	81.4	81.7	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4
≥ 5000		54.5	68.8	73.5	81.7	82.8	83.5	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2
≥ 4500		54.5	68.8	73.5	81.7	82.8	83.5	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2
≥ 4000		55.9	70.3	75.3	83.9	84.9	85.7	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4
≥ 3500		56.3	70.6	76.0	84.6	85.7	86.4	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
≥ 3000		56.3	70.6	76.0	84.6	85.7	86.4	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
≥ 2500		57.7	72.0	77.4	86.0	87.1	87.8	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5
≥ 2000		58.4	73.8	79.2	87.8	88.9	90.7	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8
≥ 1800		58.4	73.8	79.2	87.8	88.9	90.7	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8
≥ 1500		58.8	74.2	79.6	88.2	89.2	91.0	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1
≥ 1200		59.1	74.6	80.3	88.9	90.0	92.1	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2
≥ 1000		59.5	74.9	80.6	89.2	90.3	92.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5
≥ 900		59.5	74.9	80.6	89.2	90.3	92.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5
≥ 800		59.5	74.9	80.6	89.2	90.3	92.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5
≥ 700		59.5	74.9	80.6	89.2	90.7	92.8	93.9	93.9	93.9	94.3	94.3	95.0	95.0	95.0	95.0
≥ 600		59.5	74.9	80.6	89.2	90.7	92.8	93.9	93.9	93.9	94.3	94.3	95.0	95.0	95.0	95.0
≥ 500		59.5	75.3	81.4	90.7	92.8	95.0	96.1	96.1	96.1	96.4	96.4	97.1	97.1	97.1	97.1
≥ 400		59.5	75.3	81.4	90.7	92.2	95.7	96.8	96.8	97.1	97.5	97.5	98.2	98.2	98.2	98.2
≥ 300		59.5	75.3	81.4	90.7	93.2	96.1	97.1	97.5	97.8	98.6	98.6	99.3	99.3	99.3	99.3
≥ 200		59.5	75.3	81.4	90.7	93.2	96.4	97.5	97.8	98.2	98.9	98.9	99.6	99.6	99.6	99.6
≥ 100		59.5	75.3	81.4	90.7	93.2	96.4	97.5	97.8	98.2	98.9	98.9	100.0	100.0	100.0	100.0
≥ 0		59.5	75.3	81.4	90.7	93.2	96.4	97.5	97.8	98.2	98.9	98.9	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 279

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

42218  
STATION

TAI-CHUNG TAIWAN/CHING CHUAN KANG 69-71  
STATION NAME

YEARS

1 DAY  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

2100-2300  
HOURS LST

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/8	≥ 1/16	≥ 0
NO CEILING		29.0	37.6	43.4	47.7	49.5	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8
≥ 20000		33.3	41.9	47.7	52.0	53.8	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1
≥ 18000		34.1	42.7	48.4	52.7	54.5	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8
≥ 16000		34.4	43.0	48.7	53.0	54.8	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2
≥ 14000		34.8	43.4	49.1	53.4	55.2	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6
≥ 12000		35.5	45.2	50.9	55.2	57.0	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3
≥ 10000		39.4	49.5	56.3	60.9	63.1	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8
≥ 9000		40.1	50.9	58.1	62.7	64.9	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6
≥ 8000		44.1	55.9	63.4	69.2	71.7	73.1	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8
≥ 7000		49.1	62.4	69.9	75.6	78.1	79.6	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3
≥ 6000		50.5	63.8	72.0	78.5	81.0	82.4	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
≥ 5000		51.3	64.9	73.1	79.9	82.4	84.9	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7
≥ 4500		51.3	64.9	73.1	79.9	82.4	84.9	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7
≥ 4000		52.0	66.3	74.9	81.7	84.2	86.7	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5
≥ 3500		52.0	66.3	74.9	81.7	84.2	86.7	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5
≥ 3000		52.3	66.7	75.3	82.1	84.6	87.5	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2
≥ 2500		53.8	68.1	77.1	84.2	87.1	90.7	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4
≥ 2000		54.5	69.2	78.1	85.2	88.2	91.8	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5
≥ 1800		54.5	69.2	78.1	85.3	88.2	91.8	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5
≥ 1500		54.8	69.5	78.5	85.7	88.5	92.1	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8
≥ 1200		54.8	69.9	78.9	86.0	88.9	92.5	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2
≥ 1000		54.8	69.9	78.9	86.4	89.2	92.8	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5
≥ 900		54.8	69.9	78.9	86.4	89.2	92.8	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5
≥ 800		55.2	70.3	79.2	86.7	89.6	93.2	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9
≥ 700		55.2	70.3	79.2	86.7	89.6	93.2	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9
≥ 600		55.2	70.3	79.2	86.7	89.6	93.2	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9
≥ 500		55.6	70.6	79.9	88.2	91.0	94.6	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
≥ 400		55.6	70.6	80.3	88.9	91.8	95.3	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
≥ 300		55.6	70.6	80.3	88.9	91.8	97.5	99.3	99.3	99.3	99.3	99.6	99.6	99.6	99.6	99.6
≥ 200		55.6	70.6	80.3	88.9	91.8	97.5	99.3	99.3	99.6	99.6	100.0	100.0	100.0	100.0	100.0
≥ 100		55.6	70.6	80.3	88.9	91.8	97.5	99.3	99.3	99.6	99.6	100.0	100.0	100.0	100.0	100.0
≥ 0		55.6	70.6	80.3	88.9	91.8	97.5	99.3	99.3	99.6	99.6	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 279



DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

42215  
STATION

TAI-CHUNG TAIWAN/CHING CHUAN KANG 69-71  
STATION NAME YEARS

1964  
YEAR

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0000-0200  
HOURS LST

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥0
NO CEILING		20.4	30.7	35.9	41.5	43.7	46.3	46.3	46.7	47.0	47.0	47.0	47.4	47.4	47.8
≥ 20000		24.1	36.3	41.5	48.1	50.4	53.0	53.0	53.3	53.7	53.7	53.7	54.1	54.1	54.4
≥ 18000		24.1	36.3	42.2	48.9	51.1	53.7	53.7	54.1	54.4	54.4	54.4	54.8	54.8	55.2
≥ 16000		24.1	36.3	42.2	48.9	51.1	53.7	53.7	54.1	54.4	54.4	54.4	54.8	54.8	55.2
≥ 14000		24.4	36.7	42.6	49.3	51.5	54.1	54.1	54.4	54.8	54.8	54.8	55.2	55.2	55.6
≥ 12000		26.3	38.9	44.8	51.9	54.4	57.4	57.4	57.8	58.1	58.1	58.1	58.5	58.5	58.9
≥ 10000		32.6	45.2	51.5	58.9	61.5	64.8	64.8	65.2	65.9	65.9	65.9	66.3	66.3	66.7
≥ 9000		33.0	45.6	51.9	59.3	61.9	65.2	65.2	65.6	66.3	66.3	66.3	66.7	66.7	67.0
≥ 8000		35.2	48.1	55.2	63.0	65.9	69.6	69.6	70.0	70.7	70.7	70.7	71.1	71.1	71.5
≥ 7000		35.6	49.3	56.3	64.8	67.8	71.5	71.5	71.9	72.6	72.6	72.6	73.0	73.0	73.3
≥ 6000		35.9	49.6	56.7	65.2	68.1	71.9	71.9	72.2	73.0	73.0	73.0	73.3	73.3	73.7
≥ 5000		35.9	50.0	57.0	65.6	68.5	72.2	72.6	73.0	73.7	73.7	73.7	74.1	74.1	74.4
≥ 4500		36.3	50.7	57.8	66.3	69.3	73.0	73.3	73.7	74.4	74.4	74.4	74.8	74.8	75.2
≥ 4000		37.8	52.2	60.4	68.9	71.9	75.6	75.9	76.3	77.0	77.0	77.0	77.4	77.4	77.8
≥ 3500		37.8	52.2	60.4	69.3	72.2	75.9	76.3	76.7	77.4	77.4	77.4	77.8	77.8	78.1
≥ 3000		37.8	52.2	60.7	69.6	72.6	76.3	76.7	77.0	77.8	77.8	77.8	78.1	78.1	78.5
≥ 2500		38.1	53.0	61.9	70.7	74.4	78.1	78.5	78.9	79.6	79.6	79.6	80.0	80.0	80.4
≥ 2000		38.5	53.3	64.1	73.7	77.4	81.1	81.5	81.9	82.6	82.6	82.6	83.0	83.0	83.3
≥ 1800		39.3	54.4	65.2	74.8	78.5	82.2	82.6	83.0	83.7	83.7	83.7	84.1	84.1	84.4
≥ 1500		39.6	54.8	65.9	75.9	79.6	83.3	83.7	84.4	85.2	85.2	85.2	85.6	85.6	85.9
≥ 1200		40.7	56.7	68.1	79.6	83.3	87.0	87.8	88.5	89.3	89.3	89.3	89.6	89.6	90.0
≥ 1000		41.9	57.8	69.3	80.7	84.4	88.1	88.9	89.6	90.4	90.4	90.4	90.7	90.7	91.1
≥ 900		41.9	57.8	69.3	80.7	84.4	88.1	88.9	89.6	90.4	90.4	90.4	90.7	90.7	91.1
≥ 800		42.2	58.1	69.6	81.1	84.8	88.5	89.3	90.0	90.7	90.7	90.7	91.1	91.1	91.5
≥ 700		42.6	58.5	70.0	83.0	86.7	90.4	91.1	91.9	92.6	92.6	92.6	93.0	93.0	93.3
≥ 600		42.6	58.5	70.0	83.0	87.0	90.7	91.5	92.2	93.0	93.0	93.0	93.3	93.3	93.7
≥ 500		43.7	59.6	71.1	84.1	88.1	91.9	92.6	93.3	94.4	94.4	94.4	94.8	94.8	95.2
≥ 400		43.7	59.6	71.1	84.1	88.1	91.9	92.6	94.1	95.2	95.6	95.6	95.9	95.9	96.3
≥ 300		43.7	59.6	71.1	84.1	88.1	91.9	92.6	94.1	95.2	95.6	95.6	96.3	96.3	96.7
≥ 200		43.7	59.6	71.1	84.1	88.5	92.2	94.1	95.9	97.0	97.4	97.4	98.1	98.1	98.5
≥ 100		43.7	59.6	71.1	84.1	88.5	92.2	94.1	95.9	97.4	97.8	97.8	98.5	98.5	100.0
≥ 0		43.7	59.6	71.1	84.1	88.5	92.2	94.1	95.9	97.4	97.8	97.8	98.5	98.5	100.0

TOTAL NUMBER OF OBSERVATIONS 270

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

42218  
STATION

TAI-CHUNG TAIWAN/CHING CHUAN KANG 69-71  
STATION NAME

YEARS

FILE  
NO.

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0300-0500  
HOURS

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 1/8	≥ 0
NO CEILING		18.1	25.6	33.7	38.1	40.4	42.2	42.2	43.0	43.3	43.7	43.7	43.7	43.7	43.7	44.1
≥ 20000		21.5	29.6	37.8	43.0	45.2	47.8	47.8	48.5	48.9	49.3	49.3	49.3	49.3	49.3	49.6
≥ 18000		21.9	30.7	39.3	44.4	46.7	49.3	49.3	50.0	50.4	50.7	50.7	50.7	50.7	50.7	51.1
≥ 16000		21.9	30.7	39.3	44.4	46.7	49.3	49.3	50.0	50.4	50.7	50.7	50.7	50.7	50.7	51.1
≥ 14000		21.9	30.7	39.3	44.4	46.7	49.3	49.3	50.0	50.4	50.7	50.7	50.7	50.7	50.7	51.1
≥ 12000		23.0	31.9	40.7	45.9	48.9	51.5	51.5	52.2	52.6	53.0	53.0	53.0	53.0	53.0	53.3
≥ 10000		27.0	37.4	46.7	51.9	55.2	58.1	58.5	59.3	59.6	60.0	60.0	60.0	60.0	60.0	60.4
≥ 9000		27.0	37.4	46.7	51.9	55.2	58.1	58.5	59.3	59.6	60.0	60.0	60.0	60.0	60.0	60.4
≥ 8000		31.9	42.6	53.0	58.9	62.2	65.6	67.0	67.8	68.5	69.3	69.3	70.0	70.0	70.0	70.4
≥ 7000		32.2	43.3	54.1	60.0	63.3	66.7	68.5	69.6	70.4	71.1	71.1	71.9	71.9	71.9	72.2
≥ 6000		32.2	43.3	54.1	60.0	63.3	66.7	68.5	69.6	70.4	71.1	71.1	71.9	71.9	71.9	72.2
≥ 5000		32.2	43.3	54.1	60.0	63.3	67.0	68.9	70.0	70.7	71.5	71.5	72.2	72.2	72.2	72.6
≥ 4500		32.2	43.7	54.8	60.7	64.1	67.8	69.6	70.7	71.5	72.2	72.2	73.0	73.0	73.0	73.3
≥ 4000		32.2	44.1	55.6	62.2	65.6	69.3	71.1	72.2	73.0	73.7	73.7	74.4	74.4	74.4	74.8
≥ 3500		33.0	45.6	57.4	64.4	67.8	71.5	73.7	74.8	75.6	76.3	76.3	77.0	77.0	77.0	77.4
≥ 3000		33.3	46.3	58.1	65.6	68.9	73.3	75.6	77.8	78.5	79.3	79.3	80.0	80.0	80.0	80.4
≥ 2500		33.3	46.3	59.6	67.4	70.7	75.2	77.4	79.6	80.4	81.1	81.1	81.9	81.9	81.9	82.2
≥ 2000		33.3	46.3	61.5	69.3	72.6	77.8	80.4	82.6	83.3	84.1	84.1	84.8	84.8	84.8	85.2
≥ 1800		33.3	46.3	61.5	69.3	73.0	78.1	80.7	83.0	83.7	84.4	84.4	85.2	85.2	85.2	85.6
≥ 1500		33.7	46.7	61.9	69.6	73.3	78.5	81.1	83.3	84.1	84.8	84.8	85.6	85.6	85.6	85.9
≥ 1200		34.8	48.1	63.7	72.2	75.9	81.5	84.8	87.0	88.1	88.9	88.9	89.6	89.6	89.6	90.0
≥ 1000		35.2	48.5	64.1	72.6	76.3	81.9	85.2	87.4	88.5	89.3	89.3	90.0	90.0	90.0	90.4
≥ 900		35.2	48.5	64.1	72.6	76.3	81.9	85.2	87.4	88.5	89.3	89.3	90.0	90.0	90.0	90.4
≥ 800		35.2	48.5	64.8	73.3	77.0	82.6	85.9	88.1	89.3	90.0	90.0	90.7	90.7	90.7	91.1
≥ 700		35.2	49.3	65.6	74.4	78.1	83.7	87.0	89.3	90.4	91.1	91.1	91.9	91.9	91.9	92.2
≥ 600		35.2	49.6	66.3	75.6	79.3	85.2	88.5	90.7	91.9	92.6	92.6	93.3	93.3	93.3	93.7
≥ 500		35.9	50.7	67.4	76.7	80.4	86.3	89.6	91.9	93.3	94.1	94.1	94.8	94.8	94.8	95.2
≥ 400		35.9	50.7	67.4	76.7	80.7	86.7	90.0	92.2	93.7	94.4	94.4	95.2	95.2	95.2	95.6
≥ 300		35.9	50.7	67.4	77.4	81.5	87.4	91.1	93.7	95.2	95.9	95.9	96.7	96.7	96.7	97.0
≥ 200		35.9	50.7	67.8	77.8	81.9	87.8	91.9	94.4	95.9	96.1	96.1	96.9	96.9	96.9	97.3
≥ 100		35.9	50.7	67.8	77.8	81.9	88.1	92.2	94.8	96.3	96.5	96.5	97.3	97.3	97.3	97.6
≥ 0		35.9	50.7	67.8	77.8	81.9	88.1	92.2	94.8	96.3	96.5	96.5	97.3	97.3	97.3	100.0

TOTAL NUMBER OF OBSERVATIONS 270

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

4221-2 TAI-CHING TAI-WAN/CHING CHUAN KANG 69-71  
STATION STATION NAME

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0600-0800

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.5	≥0.25	≥0.15	≥0.1	≥0.05	≥0.025	≥0
NO CEILING		11.5	19.6	25.2	29.3	29.6	30.0	30.0	30.0	30.7	30.7	30.7	30.7	30.7	30.7	31.1
≥ 20000		17.8	28.1	37.0	42.2	42.6	43.7	43.7	43.7	44.4	44.8	44.8	44.8	44.8	44.8	45.2
≥ 18000		18.1	29.3	38.5	43.7	44.1	45.2	45.2	45.2	45.9	46.3	46.3	46.3	46.3	46.3	46.7
≥ 16000		18.1	29.3	38.5	43.7	44.1	45.2	45.2	45.2	45.9	46.3	46.3	46.3	46.3	46.3	46.7
≥ 14000		18.5	30.4	40.0	45.2	45.6	46.7	46.7	46.7	47.4	47.8	47.8	47.8	47.8	47.8	48.1
≥ 12000		22.6	34.4	44.8	50.4	50.7	51.9	51.9	51.9	52.6	53.0	53.0	53.0	53.0	53.0	53.3
≥ 10000		25.2	37.8	48.9	55.2	56.7	57.8	58.5	58.9	60.7	61.1	61.1	61.1	61.1	61.1	61.5
≥ 9000		25.2	37.8	48.9	55.2	56.7	57.8	58.5	58.9	60.7	61.1	61.1	61.1	61.1	61.1	61.5
≥ 8000		27.8	40.4	52.6	59.6	61.5	63.7	64.8	65.9	68.1	68.5	68.9	70.0	70.0	70.0	70.4
≥ 7000		27.8	40.4	53.3	61.1	63.3	65.6	66.7	68.1	70.4	71.1	71.9	73.0	73.0	73.0	73.3
≥ 6000		27.8	40.4	53.7	61.5	63.7	65.9	67.0	68.5	70.7	71.5	72.2	73.3	73.3	73.3	73.7
≥ 5000		27.8	40.4	54.1	61.9	64.1	66.3	67.4	68.9	71.1	71.9	72.6	73.7	73.7	73.7	74.1
IV 4500		28.9	41.5	55.6	63.3	65.6	67.8	68.9	70.4	72.6	73.3	74.1	75.2	75.2	75.2	75.6
IV 4000		29.6	43.0	57.4	65.2	67.4	69.6	71.1	72.6	74.8	75.9	76.7	78.5	78.5	78.5	78.9
IV 3500		30.0	44.4	58.9	66.7	68.9	71.1	72.6	74.1	76.3	77.4	78.1	80.0	80.0	80.0	80.4
IV 3000		30.0	44.4	58.9	66.7	68.9	71.1	72.6	74.1	76.3	77.4	78.1	80.0	80.0	80.0	80.4
IV 2500		30.4	45.9	61.5	70.0	72.2	74.8	76.3	77.8	80.0	81.1	81.9	83.7	83.7	83.7	84.1
IV 2000		31.1	47.0	63.0	71.5	74.1	77.4	78.9	80.4	82.6	83.7	84.4	86.3	86.3	86.3	86.7
IV 1800		31.1	47.0	63.0	71.5	74.1	77.4	78.9	80.4	82.6	83.7	84.4	86.3	86.3	86.3	86.7
IV 1500		31.1	47.0	63.0	71.5	74.1	77.4	79.3	80.7	83.0	84.1	84.8	86.7	86.7	86.7	87.0
IV 1200		31.1	47.8	64.1	73.3	75.9	79.6	81.5	83.0	85.2	86.3	87.0	88.9	88.9	88.9	89.3
IV 1000		31.1	48.1	64.4	75.2	77.8	81.5	83.3	84.8	87.0	88.1	88.9	90.7	90.7	90.7	91.1
IV 900		31.1	48.1	64.8	75.6	78.1	81.9	83.7	85.2	87.4	88.5	89.3	91.1	91.1	91.1	91.5
IV 800		31.1	48.1	64.8	75.6	78.1	81.9	83.7	85.2	87.4	88.5	89.3	91.1	91.1	91.1	91.5
IV 700		31.5	48.5	65.2	75.9	78.5	82.2	84.1	85.6	87.8	89.6	90.4	92.2	92.2	92.2	92.6
IV 600		31.5	48.5	65.6	76.7	80.0	84.1	85.9	87.4	89.6	91.5	92.2	94.1	94.1	94.1	94.4
IV 500		31.5	48.5	65.6	76.7	80.0	84.1	85.9	87.4	89.6	91.5	92.2	94.1	94.1	94.1	94.4
IV 400		31.5	48.5	65.9	77.0	80.7	84.8	86.7	88.1	91.5	93.7	94.4	96.3	96.3	96.3	96.7
IV 300		31.5	48.5	65.9	77.0	80.7	85.2	88.1	89.6	93.0	95.6	96.3	98.1	98.1	98.1	98.9
IV 200		31.5	48.5	65.9	77.0	80.7	85.2	88.5	90.0	93.7	96.7	97.4	99.3	99.3	99.3	100.0
IV 100		31.5	48.5	65.9	77.0	80.7	85.2	88.5	90.0	93.7	96.7	97.4	99.3	99.3	99.3	100.0
IV 0		31.5	48.5	65.9	77.0	80.7	85.2	88.5	90.0	93.7	96.7	97.4	99.3	99.3	99.3	100.0

TOTAL NUMBER OF OBSERVATIONS 270

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/HAC

# CEILING VERSUS VISIBILITY

42218 TAI-CHUNG TAIWAN/CHING CHUAN KANG 69-71

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0900-1100

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	≥5/16	¾	≥0
NO CEILING		27.8	31.5	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8
≥ 20000		38.9	45.9	49.3	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6
≥ 18000		38.9	45.9	49.3	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6
≥ 16000		38.9	45.9	49.3	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6
≥ 14000		42.6	49.6	53.0	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3
≥ 12000		43.7	50.7	54.1	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8
≥ 10000		50.4	58.5	61.9	62.6	62.6	62.6	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0
≥ 9000		50.7	58.9	62.2	63.0	63.0	63.0	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3
≥ 8000		53.3	62.2	65.9	66.7	68.1	68.1	68.5	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9
≥ 7000		54.1	63.0	67.0	67.8	69.3	69.3	69.6	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
≥ 6000		54.1	63.0	67.0	67.8	69.3	69.3	69.6	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
≥ 5000		54.8	64.1	68.1	68.9	70.4	70.7	71.5	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9
≥ 4500		54.8	64.1	68.1	68.9	70.4	70.7	71.5	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9
≥ 4000		55.2	64.4	68.5	69.3	71.1	71.5	72.6	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0
≥ 3500		56.3	65.9	70.0	70.7	72.6	73.0	74.1	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4
≥ 3000		57.0	67.8	72.2	74.1	76.3	76.7	77.8	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1
≥ 2500		59.3	70.4	75.4	78.1	80.4	80.7	81.9	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2
≥ 2000		61.9	74.1	79.3	82.2	84.4	84.8	85.9	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3
≥ 1800		61.9	74.1	79.3	82.2	84.4	84.8	85.9	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3
≥ 1500		64.4	77.4	83.0	86.3	88.5	88.9	90.0	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4
≥ 1200		65.9	79.6	85.9	90.4	92.6	93.0	94.1	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4
≥ 1000		66.3	80.0	86.7	91.1	93.7	94.4	95.6	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
≥ 900		66.3	80.0	86.7	91.1	93.7	94.4	95.6	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
≥ 800		66.3	80.4	87.4	91.9	94.4	95.2	96.7	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
≥ 700		66.3	80.4	87.4	92.2	94.8	95.6	97.0	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 600		66.3	80.4	87.8	93.0	95.6	96.3	97.8	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 500		66.3	80.4	87.8	93.0	95.6	96.3	98.1	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
≥ 400		66.3	80.4	87.8	93.0	95.6	96.3	98.1	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
≥ 300		66.3	80.4	88.1	93.3	95.9	96.7	98.5	98.9	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 200		66.3	80.4	88.1	93.3	95.9	96.7	98.5	98.9	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 100		66.3	80.4	88.1	93.3	95.9	96.7	98.5	98.9	99.3	99.6	99.6	100.0	100.0	100.0	100.0
≥ 0		66.3	80.4	88.1	93.3	95.9	96.7	98.5	98.9	99.3	99.6	99.6	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 270

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

42218 TAI-CHUNG TAIWAN/CHING CHUAN KANG 09-71

01/68

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1200-1400  
HOURS UTC

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.5	≥.4	≥.3	≥.25	≥.2	≥.1
NO CEILING		31.1	32.6	33.0	33.0	33.0	33.0	33.0	33.0	33.0	33.0	33.0	33.0	33.0	33.0	33.0
≥ 20000		44.8	47.8	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1
≥ 18000		44.8	47.8	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1
≥ 16000		45.6	48.5	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9
≥ 14000		49.3	52.2	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6
≥ 12000		52.6	55.6	55.9	56.3	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7
≥ 10000		58.1	62.6	63.3	63.7	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4
≥ 9000		58.5	63.0	63.7	64.1	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8
≥ 8000		58.5	63.7	64.4	64.8	66.3	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
≥ 7000		60.0	65.9	67.8	68.1	69.6	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
≥ 6000		60.0	66.3	68.1	68.5	70.0	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4
≥ 5000		61.5	67.8	69.6	70.0	71.9	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2
≥ 4500		61.5	67.8	69.6	70.0	71.9	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2
≥ 4000		61.5	67.8	69.6	70.0	72.2	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6
≥ 3500		61.5	67.8	70.0	70.7	73.0	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3
≥ 3000		62.2	68.5	70.7	71.5	73.7	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1
≥ 2500		67.4	74.1	76.7	77.4	79.6	80.0	80.0	80.0	80.4	80.4	80.4	80.4	80.4	80.4	80.4
≥ 2000		73.7	81.1	83.7	84.4	86.7	87.0	87.0	87.0	87.4	87.4	87.4	87.4	87.4	87.4	87.4
≥ 1800		73.7	81.1	83.7	84.4	86.7	87.0	87.0	87.0	87.4	87.4	87.4	87.4	87.4	87.4	87.4
≥ 1500		76.3	83.7	86.3	87.8	90.0	90.4	90.4	90.4	91.1	91.1	91.1	91.1	91.1	91.1	91.1
≥ 1200		77.0	84.8	88.9	90.7	93.0	93.3	93.3	93.3	94.1	94.1	94.1	94.1	94.1	94.1	94.1
≥ 1000		77.0	84.8	88.9	90.7	93.3	94.1	94.1	94.1	94.8	94.8	94.8	94.8	94.8	94.8	94.8
≥ 900		77.0	84.8	88.9	90.7	93.3	94.1	94.1	94.1	95.2	95.2	95.2	95.2	95.2	95.2	95.2
≥ 800		77.0	84.8	89.3	91.1	93.7	94.4	94.8	94.8	96.3	96.3	96.3	96.3	96.3	96.3	96.3
≥ 700		77.4	85.2	89.6	91.5	94.1	94.8	95.2	95.2	96.7	96.7	96.7	96.7	96.7	96.7	96.7
≥ 600		77.4	85.2	90.0	92.2	94.8	95.6	95.9	95.9	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 500		77.4	85.2	90.4	93.0	95.6	96.3	96.7	96.7	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥ 400		77.4	85.2	90.4	93.0	95.6	96.3	96.7	96.7	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥ 300		77.4	85.2	90.4	93.0	95.6	96.3	97.0	97.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 200		77.4	85.2	90.4	93.0	95.6	96.3	97.0	97.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 100		77.4	85.2	90.4	93.0	95.6	96.3	97.0	97.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 0		77.4	85.2	90.4	93.0	95.6	96.3	97.0	97.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3

TOTAL NUMBER OF OBSERVATIONS 270

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

4221R TAI-CHUNG TAIWAN/CHING CHUAN KANG 69-71

STATION

STATION NAME

YEARS

JUN 1970

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1500-1700  
HOURS LT

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	≥5/16	¾	≥0
NO CEILING		31.5	31.9	31.7	31.9	31.9	31.9	31.9	31.9	31.9	31.9	31.9	31.9	31.9	31.9	31.9
≥ 20000		49.6	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
≥ 18000		49.6	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
≥ 16000		49.6	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
≥ 14000		54.1	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4
≥ 12000		58.5	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7
≥ 10000		64.4	68.1	69.6	69.6	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
≥ 9000		64.8	68.5	70.0	70.0	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4
≥ 8000		67.8	71.5	73.3	73.7	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2
≥ 7000		69.3	73.0	74.8	75.2	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7
≥ 6000		69.6	73.3	75.2	75.6	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0
≥ 5000		70.0	74.1	75.9	76.3	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8
≥ 4500		70.7	74.8	76.7	77.0	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5
≥ 4000		71.5	75.9	77.8	78.5	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
≥ 3500		72.2	76.7	78.5	79.3	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
≥ 3000		74.1	78.5	80.7	81.9	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
≥ 2500		74.8	79.3	81.5	82.6	84.1	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4
≥ 2000		78.5	83.3	85.6	86.7	88.1	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5
≥ 1800		78.5	83.3	85.6	86.7	88.1	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5
≥ 1500		80.0	85.2	87.4	88.5	90.0	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4
≥ 1200		80.0	85.2	87.4	88.9	90.4	91.1	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5
≥ 1000		80.0	85.2	87.4	88.9	90.4	91.1	91.5	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9
≥ 900		80.0	85.2	87.4	88.9	90.4	91.1	91.5	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9
≥ 800		80.7	85.9	88.5	90.4	91.9	93.0	93.3	93.7	94.1	94.1	94.1	94.1	94.1	94.1	94.1
≥ 700		80.7	85.9	88.5	90.4	91.9	93.0	93.3	93.7	94.1	94.1	94.1	94.1	94.1	94.1	94.1
≥ 600		81.1	86.3	89.6	91.5	93.0	94.1	94.4	94.8	95.2	95.2	95.2	95.2	95.2	95.2	95.2
≥ 500		81.5	87.4	90.7	93.3	94.8	95.9	96.3	96.7	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 400		81.5	87.4	91.1	93.7	95.2	96.3	96.7	97.0	97.8	97.8	97.8	97.8	97.8	97.8	97.8
≥ 300		81.5	87.4	91.1	93.7	95.2	96.7	97.0	97.4	97.8	97.8	97.8	97.8	97.8	97.8	97.8
≥ 200		81.5	87.4	91.1	93.7	95.2	97.0	97.4	97.8	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 100		81.5	87.4	91.1	93.7	95.2	97.0	97.4	97.8	99.3	99.6	99.6	99.6	99.6	99.6	99.6
≥ 0		81.5	87.4	91.1	93.7	95.2	97.0	97.4	97.8	99.3	99.6	99.6	99.6	99.6	99.6	100.0

TOTAL NUMBER OF OBSERVATIONS 270

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/HAC

## CEILING VERSUS VISIBILITY

4221H STATION TAI-CHUNG TAIWAN/CHING CHUAN KANG 69-71

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1800-2000  
HOURS LST

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING		30.0	31.1	31.5	31.5	31.5	31.5	31.9	31.9	31.9	31.9	31.9	31.9	31.9	31.9	31.9
≥ 20000		44.1	46.3	47.4	47.4	47.4	47.4	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8
≥ 18000		44.1	46.3	47.4	47.4	47.4	47.4	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8
≥ 16000		44.4	46.7	47.8	47.8	47.8	47.8	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1
≥ 14000		46.3	48.5	49.6	49.6	49.6	49.6	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
≥ 12000		48.1	51.5	52.6	53.3	53.3	53.3	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7
≥ 10000		54.4	60.0	62.6	63.7	63.7	63.7	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1
≥ 9000		54.8	60.4	63.0	64.1	64.1	64.1	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4
≥ 8000		57.8	64.1	68.1	70.4	70.4	70.4	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7
≥ 7000		59.6	66.3	71.5	74.1	74.1	74.1	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4
≥ 6000		59.6	66.3	71.5	74.1	74.1	74.1	74.4	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8
≥ 5000		60.0	67.0	72.2	75.2	75.2	75.2	75.6	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9
≥ 4500		60.0	67.0	72.2	75.2	75.2	75.2	75.6	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9
≥ 4000		60.0	67.8	73.0	76.3	76.3	76.3	76.7	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0
≥ 3500		60.0	67.8	73.3	76.7	76.7	76.7	77.0	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
≥ 3000		60.7	68.9	75.2	78.9	78.9	78.9	79.6	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
≥ 2500		63.7	72.6	79.6	83.3	83.3	84.1	84.8	85.2	85.2	85.2	85.2	85.6	85.6	85.6	85.6
≥ 2000		64.8	74.4	81.9	86.7	86.7	87.4	88.1	88.5	88.5	88.5	88.5	88.9	88.9	88.9	88.9
≥ 1800		64.8	74.4	81.9	86.7	86.7	87.4	88.1	88.5	88.5	88.5	88.5	88.9	88.9	88.9	88.9
≥ 1500		65.6	75.2	82.6	88.5	88.5	89.3	90.0	90.4	90.4	90.4	90.4	90.7	90.7	90.7	90.7
≥ 1200		65.6	75.2	83.0	88.9	89.6	90.7	91.5	91.9	91.9	91.9	91.9	92.2	92.2	92.2	92.2
≥ 1000		65.6	75.2	83.0	89.3	90.0	91.1	91.9	92.2	92.2	92.2	92.2	92.6	92.6	92.6	92.6
≥ 900		65.6	75.2	83.0	89.3	90.0	91.1	91.9	92.2	92.2	92.2	92.2	92.6	92.6	92.6	92.6
≥ 800		65.9	75.6	83.3	89.6	91.1	92.2	93.0	93.3	93.3	93.3	93.3	93.7	93.7	93.7	93.7
≥ 700		65.9	75.6	83.3	89.6	91.1	92.2	93.0	93.3	93.3	93.3	93.3	93.7	93.7	93.7	93.7
≥ 600		65.9	75.6	83.3	89.6	91.1	92.2	93.3	93.7	93.7	93.7	93.7	94.1	94.1	94.1	94.1
≥ 500		65.9	75.9	83.7	90.4	91.9	93.0	94.1	94.4	94.4	94.4	94.4	94.8	94.8	94.8	94.8
≥ 400		65.9	75.9	83.7	90.4	92.2	93.7	94.8	95.2	95.2	95.2	95.2	95.6	95.6	95.6	95.6
≥ 300		65.9	75.9	83.7	90.4	92.2	93.7	95.2	95.6	95.9	95.9	95.9	96.3	96.3	96.3	96.3
≥ 200		65.9	75.9	83.7	90.4	92.2	93.7	95.2	95.6	96.7	96.7	97.0	99.3	99.3	99.3	99.3
≥ 100		65.9	75.9	83.7	90.4	92.2	93.7	95.2	95.6	96.7	96.7	97.0	99.6	100.0	100.0	100.0
≥ 0		65.9	75.9	83.7	90.4	92.2	93.7	95.2	95.6	96.7	96.7	97.0	99.6	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 270

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

42218  
STATION

TAI-CHING TAIWAN/CHING CHUAN KANG 69-71  
STATION NAME YEARS

JUN  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

2100-2300  
HOURS, LST

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 1/8
NO CEILING		35.2	41.9	45.2	46.3	46.7	47.0	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4
≥ 20000		42.2	49.6	53.0	54.1	54.4	54.8	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2
≥ 18000		42.2	49.6	53.0	54.1	54.4	54.8	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2
≥ 16000		42.2	49.6	53.0	54.1	54.4	54.8	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2
≥ 14000		42.2	49.6	53.0	54.1	54.4	54.8	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2
≥ 12000		44.8	54.1	57.4	59.3	59.6	60.0	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4
≥ 10000		45.9	57.4	61.5	63.7	64.1	64.4	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8
≥ 9000		45.9	57.4	61.5	63.7	64.1	64.4	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8
≥ 8000		50.7	63.3	70.0	72.2	72.6	73.3	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7
≥ 7000		50.7	64.1	71.1	75.2	75.6	76.3	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7
≥ 6000		50.7	64.4	71.9	75.9	76.3	77.0	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
≥ 5000		51.5	65.6	73.7	77.8	78.1	78.9	79.3	79.3	79.6	79.6	79.6	79.6	79.6	79.6
≥ 4500		51.5	65.6	73.7	77.8	78.1	78.9	79.3	79.3	79.6	79.6	79.6	79.6	79.6	79.6
≥ 4000		52.2	67.4	75.9	80.0	80.4	81.1	81.5	81.5	81.9	81.9	81.9	81.9	81.9	81.9
≥ 3500		52.6	67.8	76.3	80.4	80.7	81.5	81.9	81.9	82.2	82.2	82.2	82.2	82.2	82.2
≥ 3000		52.6	67.8	77.0	81.1	81.5	82.2	82.6	82.6	83.0	83.0	83.0	83.0	83.0	83.0
≥ 2500		54.1	69.6	78.9	83.3	83.7	84.4	84.8	84.8	85.2	85.2	85.2	85.2	85.2	85.2
≥ 2000		54.4	70.0	80.0	85.2	85.6	86.3	86.7	86.7	87.0	87.0	87.0	87.0	87.0	87.0
≥ 1800		54.4	70.4	80.4	85.6	85.9	86.7	87.0	87.0	87.4	87.4	87.4	87.4	87.4	87.4
≥ 1500		54.8	70.7	80.7	86.7	88.1	88.9	89.3	89.3	89.6	89.6	89.6	89.6	89.6	89.6
≥ 1200		55.2	71.1	81.1	87.0	90.0	90.7	91.1	91.9	92.2	92.2	92.2	92.2	92.2	92.2
≥ 1000		55.2	71.1	81.1	87.0	90.0	90.7	91.1	91.9	92.2	92.2	92.2	92.2	92.2	92.2
≥ 900		55.2	71.1	81.1	87.0	90.0	90.7	91.1	91.9	92.2	92.2	92.2	92.2	92.2	92.2
≥ 800		55.6	71.9	81.9	87.8	90.7	91.5	92.2	93.0	93.3	93.3	93.3	93.3	93.3	93.3
≥ 700		55.6	71.9	81.9	87.8	90.7	91.5	92.2	93.0	93.3	93.3	93.3	93.3	93.3	93.3
≥ 600		55.6	71.9	81.9	87.8	91.1	91.9	92.6	93.3	93.7	93.7	93.7	93.7	93.7	93.7
≥ 500		56.3	73.3	83.7	89.6	93.0	94.4	95.2	95.9	96.3	96.3	96.3	96.3	96.7	96.7
≥ 400		56.3	73.3	83.7	89.6	93.0	94.4	95.2	95.9	96.3	96.3	96.3	96.3	96.7	96.7
≥ 300		56.3	73.3	83.7	89.6	93.0	94.4	95.2	96.3	97.0	97.0	97.0	97.0	97.4	97.4
≥ 200		56.3	73.3	84.1	90.0	93.7	95.2	96.3	98.1	98.9	98.9	98.9	99.3	99.6	99.6
≥ 100		56.3	73.3	84.1	90.0	93.7	95.2	96.3	98.1	98.9	98.9	99.3	99.6	100.0	100.0
≥ 0		56.3	73.3	84.1	90.0	93.7	95.2	96.3	98.1	98.9	99.3	99.3	99.6	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 270



DATA PROCESSING DIVISION  
USAF ETAL  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

2214 TAI-CHING TAIWAN/CHING CHUAN KANG 69-71

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0000-0200

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	≥5/16	¾	≥0
NO CEILING		43.0	53.8	54.5	55.2	56.6	58.4	58.4	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8
≥ 20000		50.5	63.8	64.9	65.6	67.0	68.8	68.8	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2
≥ 18000		50.5	63.8	64.9	65.6	67.0	68.8	68.8	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2
≥ 16000		50.5	63.8	64.9	65.6	67.0	68.8	68.8	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2
≥ 14000		50.5	63.8	64.9	65	67.0	68.8	68.8	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2
≥ 12000		51.3	64.9	67.0	68.5	69.9	71.7	71.7	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
≥ 10000		55.6	69.5	72.0	73.5	74.9	76.7	76.7	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1
≥ 9000		55.6	69.5	72.0	73.5	74.9	76.7	76.7	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1
≥ 8000		62.4	76.7	79.2	81.0	82.4	84.6	84.6	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9
≥ 7000		64.9	79.2	81.7	83.5	84.9	87.1	87.1	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5
≥ 6000		65.6	79.9	82.4	84.2	85.7	87.8	87.8	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2
≥ 5000		65.6	80.6	83.2	84.9	86.4	88.5	88.5	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9
≥ 4500		65.6	80.6	83.2	84.9	86.4	88.5	88.5	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9
≥ 4000		66.3	81.4	83.9	85.7	87.1	89.2	89.2	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6
≥ 3500		67.0	82.1	84.9	86.7	88.2	90.3	90.3	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7
≥ 3000		67.7	82.8	85.7	87.5	88.9	91.0	91.0	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4
≥ 2500		68.8	83.9	86.7	88.9	90.3	92.5	92.5	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8
≥ 2000		69.9	84.9	87.8	90.3	92.1	94.3	94.3	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6
≥ 1800		69.9	84.9	87.8	90.3	92.1	94.3	94.3	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6
≥ 1500		70.3	85.7	88.5	91.4	93.2	95.3	95.3	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
≥ 1200		71.3	86.7	89.6	92.5	94.3	96.4	96.4	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 1000		71.3	86.7	89.6	92.5	94.3	96.4	96.4	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 900		71.3	86.7	89.6	92.5	94.3	96.4	96.4	96.8	96.8	96.8	96.8	97.1	97.1	97.1	97.1
≥ 800		71.3	86.7	90.7	93.5	95.3	97.5	97.5	97.8	97.8	97.8	97.8	98.2	98.2	98.2	98.2
≥ 700		71.7	87.1	91.0	93.9	96.1	98.2	98.2	98.6	98.6	98.6	98.6	98.9	98.9	98.9	98.9
≥ 600		71.7	87.1	91.0	93.9	96.1	98.6	98.6	99.3	99.3	99.3	99.3	99.6	99.6	99.6	99.6
≥ 500		71.7	87.1	91.0	94.3	96.4	98.9	98.9	99.6	99.6	99.6	99.6	99.6	100.0	100.0	100.0
≥ 400		71.7	87.1	91.0	94.3	96.4	98.9	98.9	99.6	99.6	99.6	99.6	99.6	100.0	100.0	100.0
≥ 300		71.7	87.1	91.0	94.3	96.4	98.9	98.9	99.6	99.6	99.6	99.6	99.6	100.0	100.0	100.0
≥ 200		71.7	87.1	91.0	94.3	96.4	98.9	98.9	99.6	99.6	99.6	99.6	99.6	100.0	100.0	100.0
≥ 100		71.7	87.1	91.0	94.3	96.4	98.9	98.9	99.6	99.6	99.6	99.6	99.6	100.0	100.0	100.0
≥ 0		71.7	87.1	91.0	94.3	96.4	98.9	98.9	99.6	99.6	99.6	99.6	99.6	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 279

2

## CEILING VERSUS VISIBILITY

42218 TAI-CHUNG TAIWAN/CHING CHUAN KANG 69-71  
STATION STATION NAME

YEAR?

MON

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0300-0500  
HOURS : S.T

[illegible]

**TOTAL NUMBER OF OBSERVATIONS**\_\_\_\_\_ **278**

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

42218 TAI-CHUNG TAIWAN/CHING CHUAN KANG 69-71

JUL

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0600-0800  
HOURS (EST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 0	≥ 0
NO CEILING		28.3	40.5	49.5	51.6	53.4	53.4	54.8	54.8	55.6	55.6	55.6	55.6	55.6	55.6	55.6
≥ 20000		35.8	52.0	63.8	67.4	69.5	69.5	71.7	71.7	72.4	72.4	72.4	72.8	72.8	72.8	72.8
≥ 18000		35.8	52.0	63.8	67.4	69.5	69.5	71.7	71.7	72.4	72.4	72.4	72.8	72.8	72.8	72.8
≥ 16000		35.8	52.0	63.8	67.4	69.5	69.5	71.7	71.7	72.4	72.4	72.4	72.8	72.8	72.8	72.8
≥ 14000		35.8	52.0	63.8	67.4	69.5	69.5	71.7	71.7	72.4	72.4	72.4	72.8	72.8	72.8	72.8
≥ 12000		35.8	52.7	64.9	68.8	71.0	71.0	73.1	73.1	73.8	73.8	73.8	74.2	74.2	74.2	74.2
≥ 10000		37.6	56.6	70.3	76.7	79.2	79.9	82.4	82.4	83.5	83.5	83.5	83.9	83.9	83.9	84.2
≥ 9000		37.6	56.6	70.3	76.7	79.2	79.9	82.4	82.4	83.5	83.5	83.5	83.9	83.9	83.9	84.2
≥ 8000		40.1	59.9	73.8	80.3	82.8	83.5	86.0	86.0	87.1	87.1	87.1	87.5	87.5	87.5	87.8
≥ 7000		41.6	62.7	76.7	83.2	85.7	86.7	89.2	89.2	90.3	90.3	90.3	90.7	90.7	90.7	91.0
≥ 6000		41.6	63.1	77.1	83.5	86.4	87.5	90.0	90.0	91.0	91.0	91.0	91.4	91.4	91.4	91.8
≥ 5000		41.6	63.1	77.1	83.5	86.4	87.5	90.0	90.0	91.0	91.0	91.0	91.4	91.4	91.4	91.8
≥ 4500		41.6	63.1	77.1	83.5	86.4	87.5	90.0	90.0	91.0	91.0	91.0	91.4	91.4	91.4	91.8
≥ 4000		41.9	63.8	78.1	84.6	87.5	88.5	91.0	91.0	92.1	92.1	92.1	92.5	92.5	92.5	92.8
≥ 3500		41.9	64.2	78.5	84.9	87.8	88.9	91.4	91.4	92.5	92.5	92.5	92.8	92.8	92.8	93.2
≥ 3000		42.3	64.5	79.2	85.7	88.5	89.6	92.1	92.1	93.2	93.2	93.2	93.5	93.5	93.5	93.9
≥ 2500		43.4	65.6	80.3	86.7	89.6	90.7	93.2	93.2	94.3	94.3	94.3	94.6	94.6	94.6	95.0
≥ 2000		44.1	66.3	81.4	87.8	90.7	91.8	94.3	94.3	95.7	95.7	95.7	96.1	96.1	96.1	96.4
≥ 1800		44.1	66.3	81.4	87.8	90.7	91.8	94.3	94.3	95.7	95.7	95.7	96.1	96.1	96.1	96.4
≥ 1500		44.1	66.3	81.4	87.8	90.7	91.8	94.3	94.3	95.7	95.7	95.7	96.1	96.1	96.1	96.4
≥ 1200		44.1	66.3	81.4	87.8	90.7	91.8	94.3	94.3	95.7	95.7	95.7	96.1	96.1	96.1	96.4
≥ 1000		44.4	66.7	81.7	88.2	91.0	92.1	94.6	94.6	96.1	96.1	96.1	96.4	96.4	96.4	97.1
≥ 900		44.8	67.0	82.1	88.5	91.4	92.5	95.0	95.0	96.4	96.4	96.4	96.8	96.8	97.1	97.5
≥ 800		44.8	67.0	82.1	88.5	91.4	92.5	95.0	95.0	96.4	96.4	96.4	96.8	96.8	97.1	97.5
≥ 700		44.8	67.0	82.4	88.9	91.8	92.8	95.3	95.3	96.8	96.8	96.8	97.1	97.1	97.5	97.8
≥ 600		44.8	67.0	82.8	89.2	92.1	93.2	95.7	95.7	97.1	97.1	97.1	97.5	97.5	97.8	98.2
≥ 500		44.8	67.0	82.8	89.2	92.8	93.9	96.4	96.4	97.8	97.8	97.8	98.2	98.2	98.6	98.9
≥ 400		44.8	67.0	83.2	89.6	93.2	94.3	96.8	96.8	98.2	98.2	98.2	98.6	98.6	98.9	99.3
≥ 300		44.8	67.0	83.2	89.6	93.2	94.3	97.1	97.1	98.6	98.6	98.6	99.3	99.3	99.6	100.0
≥ 200		44.8	67.0	83.2	89.6	93.2	94.3	97.1	97.1	98.6	98.6	98.6	99.3	99.3	99.6	100.0
≥ 100		44.8	67.0	83.2	89.6	93.2	94.3	97.1	97.1	98.6	98.6	98.6	99.3	99.3	99.6	100.0
≥ 0		44.8	67.0	83.2	89.6	93.2	94.3	97.1	97.1	98.6	98.6	98.6	99.3	99.3	99.6	100.0

TOTAL NUMBER OF OBSERVATIONS 279

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

4221<sup>a</sup> TAI-CHUNG TAIWAN/CHING CHUAN KANG 09-71

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0900-1100

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.5	≥0.25	≥0.15	≥0.1	≥0.05	≥0.025	≥0
NO CEILING		44.8	50.2	52.0	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3
≥ 20000		54.1	63.1	65.6	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9
≥ 18000		54.1	63.1	65.6	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9
≥ 16000		54.1	63.1	65.6	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9
≥ 14000		56.3	65.2	67.7	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1
≥ 12000		56.6	65.9	69.5	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9
≥ 10000		61.3	71.0	74.6	74.9	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
≥ 9000		61.3	71.0	74.6	74.9	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
≥ 8000		62.7	72.4	76.0	76.3	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1
≥ 7000		64.2	74.6	78.9	79.2	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9
≥ 6000		64.5	74.9	79.2	79.6	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3
≥ 5000		64.9	75.3	79.6	79.9	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6
≥ 4500		64.9	75.3	79.6	79.9	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6
≥ 4000		64.9	75.3	79.6	79.9	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6
≥ 3500		64.9	75.3	79.6	79.9	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6
≥ 3000		65.6	76.3	81.4	81.7	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4
≥ 2500		68.1	80.3	85.7	86.0	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7
≥ 2000		74.2	86.7	93.5	94.3	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0
≥ 1800		74.6	87.1	93.9	94.6	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
≥ 1500		75.3	87.8	95.0	95.7	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4
≥ 1200		76.0	88.9	96.1	96.8	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
≥ 1000		76.0	88.9	96.1	96.8	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
≥ 900		76.0	88.9	96.1	96.8	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
≥ 800		76.0	88.9	96.1	96.8	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
≥ 700		76.0	88.9	96.1	96.8	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
≥ 600		76.0	88.9	96.4	97.1	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
≥ 500		76.0	88.9	96.4	97.1	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
≥ 400		76.0	88.9	96.4	97.5	98.6	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥ 300		76.0	88.9	96.4	98.2	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200		76.0	88.9	96.4	98.2	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100		76.0	88.9	96.4	98.2	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0		76.0	88.9	96.4	98.2	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 279

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

42218 STATION TAI-CHUNG TAIWAN/CHING CHUAN KANG 69-71

YEARS

JUL  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1200-1400  
HOURS LST

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/8	≥ 0	≥ 0
NO CEILING		45.3	48.7	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2
≥ 20000		57.7	61.6	63.1	63.1	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4
≥ 18000		57.7	61.6	63.1	63.1	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4
≥ 16000		57.7	61.6	63.1	63.1	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4
≥ 14000		59.9	63.8	65.2	65.2	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6
≥ 12000		60.2	64.2	65.6	65.6	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9
≥ 10000		67.4	72.4	73.8	73.8	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6
≥ 9000		67.4	72.4	73.8	73.8	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6
≥ 8000		69.9	74.9	76.3	76.3	77.1	77.1	77.1	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
≥ 7000		72.0	77.1	78.5	78.5	79.2	79.2	79.2	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6
≥ 6000		72.0	77.1	78.5	78.5	79.2	79.2	79.2	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6
≥ 5000		72.0	77.1	78.5	78.5	79.2	79.2	79.2	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6
≥ 4500		72.0	77.1	78.5	78.5	79.2	79.2	79.2	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6
≥ 4000		72.8	77.8	79.2	79.2	79.9	79.9	79.9	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3
≥ 3500		72.8	77.8	79.2	79.2	79.9	79.9	79.9	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3
≥ 3000		73.1	78.1	79.6	79.6	80.6	80.6	80.6	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0
≥ 2500		79.2	85.3	86.7	86.7	87.8	87.8	87.8	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5
≥ 2000		84.2	90.7	92.1	92.1	93.2	93.2	93.2	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9
≥ 1800		84.6	91.0	92.5	92.5	93.5	93.5	93.5	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
≥ 1500		88.9	95.7	97.1	97.1	98.2	98.2	98.2	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥ 1200		89.2	96.1	97.5	97.5	98.6	98.6	98.6	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 1000		89.2	96.1	97.5	97.5	98.6	98.6	98.6	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 900		89.2	96.1	97.5	97.5	98.6	98.6	98.6	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 800		89.2	96.1	97.5	97.5	98.6	98.6	98.6	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 700		89.2	96.1	97.5	97.5	98.6	98.6	98.6	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 600		89.2	96.1	97.5	97.5	98.6	98.6	98.6	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 500		89.2	96.1	97.5	97.5	98.6	98.6	98.6	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 400		89.2	96.1	97.5	97.5	98.6	98.6	98.6	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 300		89.2	96.1	97.5	97.5	98.6	98.6	98.6	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 200		89.2	96.1	97.5	97.5	98.6	98.6	98.6	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 100		89.2	96.1	97.5	97.5	98.6	98.6	98.6	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 0		89.2	96.1	97.5	97.5	98.6	98.6	98.6	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3

TOTAL NUMBER OF OBSERVATIONS 279

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

42212 TAI-CHUNG TAI-AN/CHING CHUAN KANG 69-71

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1500-1700

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ .5	≥ .3	≥ .1	≥ .05	≥ .02	≥ .01	≥ 0
NO CEILING		47.0	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7
≥ 20000		66.7	69.2	69.5	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9
≥ 18000		66.7	69.2	69.5	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9
≥ 16000		66.7	69.2	69.5	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9
≥ 14000		68.1	70.6	71.0	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
≥ 12000		68.5	71.0	71.3	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
≥ 10000		77.8	81.7	82.4	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8
≥ 9000		77.8	81.7	82.4	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8
≥ 8000		80.3	84.2	84.9	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3
≥ 7000		82.1	86.0	86.7	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
≥ 6000		82.1	86.0	86.7	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
≥ 5000		82.1	86.0	86.7	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
≥ 4500		82.1	86.0	86.7	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
≥ 4000		83.2	87.1	87.8	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2
≥ 3500		83.2	87.1	87.8	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2
≥ 3000		84.2	88.2	89.2	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6
≥ 2500		88.5	92.5	93.5	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9
≥ 2000		89.2	93.5	94.6	95.0	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
≥ 1800		89.2	93.5	94.6	95.0	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
≥ 1500		92.8	97.1	98.2	98.6	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥ 1200		93.2	97.5	98.6	98.9	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 1000		93.2	97.5	98.6	98.9	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 900		93.2	97.5	98.6	98.9	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 800		93.2	97.5	98.6	98.9	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 700		93.2	97.5	98.6	98.9	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 600		93.2	97.5	98.6	98.9	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 500		93.2	97.5	98.6	98.9	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 400		93.5	97.8	98.9	99.3	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 300		93.5	97.8	98.9	99.3	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 200		93.5	98.2	99.3	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100		93.5	98.2	99.3	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0		93.5	98.2	99.3	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 279

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

42218 TAI-CHUNG TAIWAN/CHING CHUAN KANG 69-71

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1800-2000

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	≥5/16	¾	≥0
NO CEILING		38.5	39.9	41.0	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4
≥ 20000		58.3	62.2	64.0	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7
≥ 18000		58.3	62.2	64.0	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7
≥ 16000		58.3	62.2	64.0	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7
≥ 14000		60.1	64.4	66.2	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3
≥ 12000		60.4	64.7	66.5	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6
≥ 10000		69.1	74.8	77.3	79.1	79.9	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6
≥ 9000		69.4	75.2	77.7	79.5	80.2	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9
≥ 8000		75.5	81.7	84.2	86.0	86.7	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4
≥ 7000		77.3	83.5	86.0	87.8	88.5	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2
≥ 6000		77.7	83.8	86.3	88.1	88.8	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6
≥ 5000		77.7	83.8	86.3	88.1	88.8	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6
≥ 4500		78.1	84.2	86.7	88.5	89.2	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9
≥ 4000		78.8	84.9	87.4	89.2	89.9	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6
≥ 3500		79.9	86.3	88.8	90.6	91.4	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1
≥ 3000		79.9	86.3	88.8	90.6	91.4	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1
≥ 2500		80.6	87.4	89.9	92.1	92.8	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5
≥ 2000		81.3	88.1	90.6	92.8	93.5	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
≥ 1800		81.3	88.1	90.6	92.8	93.5	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
≥ 1500		82.0	89.2	91.7	94.2	95.0	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
≥ 1200		83.8	91.0	93.9	96.4	97.1	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
≥ 1000		83.8	91.0	93.9	96.4	97.1	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
≥ 900		83.8	91.0	93.9	96.4	97.1	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
≥ 800		84.2	91.4	94.2	96.8	97.5	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
≥ 700		84.2	91.4	94.2	96.8	97.5	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
≥ 600		84.2	91.4	94.2	96.8	97.5	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
≥ 500		84.2	91.4	94.2	96.8	97.5	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
≥ 400		84.2	91.4	94.2	97.1	97.8	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
≥ 300		84.2	91.4	94.2	97.1	97.8	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
≥ 200		84.2	91.4	94.2	97.5	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
≥ 100		84.2	91.4	94.2	97.5	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
≥ 0		84.2	91.4	94.2	97.5	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2

TOTAL NUMBER OF OBSERVATIONS 278

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

4221R TAI-CHUNG TAIWAN/CHING CHUAN KANG 69-71

JUL 64

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

2100-2300

CEILING FEET	VISIBILITY, STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1.4	≥ 1	≥ .9	≥ .8	≥ .7	≥ .6	≥ .5	≥ 0
NO CEILING		54.5	57.3	61.3	62.4	63.4	64.5	64.5	64.5	64.5	64.9	64.9	64.9	64.9	64.9	64.9
≥ 20000		65.2	68.8	73.5	74.9	76.0	77.1	77.1	77.1	77.1	77.4	77.4	77.4	77.4	77.4	77.4
≥ 18000		65.2	68.8	73.5	74.9	76.0	77.1	77.1	77.1	77.1	77.4	77.4	77.4	77.4	77.4	77.4
≥ 16000		65.2	68.8	73.5	74.9	76.0	77.1	77.1	77.1	77.1	77.4	77.4	77.4	77.4	77.4	77.4
≥ 14000		65.2	68.8	73.5	74.9	76.0	77.1	77.1	77.1	77.1	77.4	77.4	77.4	77.4	77.4	77.4
≥ 12000		65.6	69.2	73.8	75.3	76.3	77.4	77.4	77.4	77.4	77.8	77.8	77.8	77.8	77.8	77.8
≥ 10000		70.6	74.2	78.9	80.3	81.4	82.8	82.8	82.8	82.8	83.2	83.2	83.2	83.2	83.2	83.2
≥ 9000		71.3	74.9	79.6	81.0	82.1	83.5	83.5	83.5	83.5	83.9	83.9	83.9	83.9	83.9	83.9
≥ 8000		77.8	82.8	87.8	89.2	90.7	92.5	92.5	92.5	92.5	92.8	92.8	92.8	92.8	92.8	92.8
≥ 7000		78.5	83.5	88.5	90.0	91.4	93.2	93.2	93.2	93.2	93.5	93.5	93.5	93.5	93.5	93.5
≥ 6000		78.5	83.5	88.5	90.0	91.4	93.2	93.2	93.2	93.2	93.5	93.5	93.5	93.5	93.5	93.5
≥ 5000		79.6	84.6	89.6	91.0	92.5	94.3	94.3	94.3	94.3	94.6	94.6	94.6	94.6	94.6	94.6
≥ 4500		79.6	84.6	89.6	91.0	92.5	94.3	94.3	94.3	94.3	94.6	94.6	94.6	94.6	94.6	94.6
≥ 4000		80.3	85.3	90.3	91.8	93.2	95.0	95.0	95.0	95.0	95.3	95.3	95.3	95.3	95.3	95.3
≥ 3500		80.6	85.7	90.7	92.1	93.5	95.3	95.3	95.3	95.3	95.7	95.7	95.7	95.7	95.7	95.7
≥ 3000		81.4	86.4	91.4	92.8	94.3	96.1	96.1	96.1	96.1	96.4	96.4	96.4	96.4	96.4	96.4
≥ 2500		81.7	87.5	92.5	93.9	95.3	97.1	97.1	97.1	97.1	97.5	97.5	97.5	97.5	97.5	97.5
≥ 2000		81.7	87.5	92.5	93.9	95.3	97.1	97.1	97.1	97.1	97.5	97.5	97.5	97.5	97.5	97.5
≥ 1800		81.7	87.5	92.5	93.9	95.3	97.1	97.1	97.1	97.1	97.5	97.5	97.5	97.5	97.5	97.5
≥ 1500		82.4	88.2	93.2	94.6	96.1	97.8	97.8	97.8	97.8	98.2	98.2	98.2	98.2	98.2	98.2
≥ 1200		82.8	88.5	93.9	95.3	97.1	98.9	98.9	98.9	98.9	99.3	99.3	99.3	99.3	99.3	99.3
≥ 1000		82.8	88.5	93.9	95.3	97.1	98.9	98.9	98.9	98.9	99.3	99.3	99.3	99.3	99.3	99.3
≥ 900		82.8	88.5	93.9	95.3	97.1	98.9	98.9	98.9	98.9	99.3	99.3	99.3	99.3	99.3	99.3
≥ 800		83.2	88.9	94.3	95.7	97.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 700		83.2	88.9	94.3	95.7	97.8	99.6	99.6	99.6	99.6	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600		83.2	88.9	94.3	95.7	97.8	99.6	99.6	99.6	99.6	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500		83.2	88.9	94.3	95.7	97.8	99.6	99.6	99.6	99.6	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400		83.2	88.9	94.3	95.7	97.8	99.6	99.6	99.6	99.6	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300		83.2	88.9	94.3	95.7	97.8	99.6	99.6	99.6	99.6	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200		83.2	88.9	94.3	95.7	97.8	99.6	99.6	99.6	99.6	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100		83.2	88.9	94.3	95.7	97.8	99.6	99.6	99.6	99.6	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0		83.2	88.9	94.3	95.7	97.8	99.6	99.6	99.6	99.6	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 279



DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICES/AC

# CEILING VERSUS VISIBILITY

42218 TAI-CHUNG TAIWAN/CHING CHUAN KANG 69-71

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0000-0000

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ .5	≥ .3	≥ .25	≥ .2	≥ .15	≥ .1	≥ 0
NO CEILING	29.0	35.1	41.6	44.1	45.2	48.0	48.4	48.7	49.8	50.2	50.2	50.2	50.2	50.2	50.5	50.5
≥ 20000	32.3	38.7	45.9	48.7	49.8	53.0	53.4	53.8	54.8	55.2	55.2	55.2	55.2	55.2	55.6	55.6
≥ 18000	32.6	39.1	46.2	49.1	50.2	53.4	53.8	54.1	55.2	55.6	55.6	55.6	55.6	55.6	55.7	55.9
≥ 16000	32.6	39.1	46.2	49.1	50.2	53.4	53.8	54.1	55.2	55.6	55.6	55.6	55.6	55.6	55.7	55.9
≥ 14000	33.7	40.1	47.3	50.2	51.3	54.5	54.8	55.2	56.3	56.6	56.6	56.6	56.6	56.6	57.0	57.0
≥ 12000	33.7	40.1	47.3	50.2	51.3	54.5	54.8	55.2	56.3	56.6	56.6	56.6	56.6	56.6	57.0	57.0
≥ 10000	38.7	45.2	53.0	56.6	57.7	60.9	61.3	61.6	62.7	63.1	63.1	63.1	63.1	63.1	63.4	63.4
≥ 9000	39.1	45.5	53.4	57.0	58.1	61.3	61.6	62.0	63.1	63.4	63.4	63.4	63.4	63.4	63.8	63.8
≥ 8000	42.3	50.2	58.1	62.4	63.4	67.0	67.4	67.7	68.8	69.2	69.2	69.2	69.2	69.2	69.5	69.5
≥ 7000	45.9	54.1	63.1	67.4	68.5	72.0	72.4	73.1	74.2	74.6	74.6	74.6	74.6	74.6	74.9	74.9
≥ 6000	46.6	55.2	64.2	68.5	69.5	73.1	73.5	74.2	75.3	75.6	75.6	75.6	75.6	75.6	76.0	76.0
≥ 5000	47.3	55.9	64.9	69.2	70.6	74.2	74.6	75.3	76.3	76.7	76.7	76.7	76.7	76.7	77.1	77.1
≥ 4500	48.0	57.0	65.9	70.3	71.7	75.3	75.6	76.3	77.4	77.8	77.8	77.8	77.8	77.8	78.1	78.1
≥ 4000	48.4	57.3	66.3	70.6	72.4	76.0	76.3	77.1	78.1	78.5	78.5	78.5	78.5	78.5	78.9	78.9
≥ 3500	48.7	57.7	66.7	71.0	72.8	76.3	76.7	77.4	78.5	78.9	78.9	78.9	78.9	78.9	79.2	79.2
≥ 3000	49.1	58.8	68.1	72.4	74.2	77.8	78.1	78.9	79.9	80.3	80.3	80.3	80.3	80.3	80.6	80.6
≥ 2500	51.3	62.0	72.8	78.1	81.0	84.9	84.9	85.7	86.7	87.1	87.1	87.1	87.1	87.1	87.5	87.5
≥ 2000	52.3	63.8	75.6	81.0	84.2	88.2	88.5	89.2	91.0	91.4	91.4	91.4	91.4	91.4	91.8	91.8
≥ 1800	52.3	63.8	75.6	81.0	84.2	88.2	88.5	89.2	91.0	91.4	91.4	91.4	91.4	91.4	91.8	91.8
≥ 1500	52.3	64.5	76.7	82.1	85.3	89.2	89.6	90.3	92.1	92.5	92.5	92.5	92.5	92.5	92.8	92.8
≥ 1200	53.4	65.6	77.8	83.2	86.7	91.8	92.1	92.8	94.6	95.0	95.0	95.0	95.0	95.0	95.3	95.3
≥ 1000	53.8	65.9	78.1	83.5	87.1	92.5	92.8	93.5	95.3	95.7	95.7	95.7	95.7	95.7	96.1	96.1
≥ 900	53.8	65.9	78.1	83.9	87.5	93.2	93.5	94.3	96.1	96.4	96.4	96.4	96.4	96.4	96.8	96.8
≥ 800	53.8	66.3	78.5	84.2	87.8	93.5	93.9	94.6	96.4	96.8	96.8	96.8	96.8	96.8	97.1	97.1
≥ 700	53.8	66.3	78.5	84.6	88.2	94.3	94.6	95.3	97.1	97.5	97.5	97.5	97.5	97.5	97.8	97.8
≥ 600	53.8	66.7	78.9	84.9	88.5	94.6	95.0	95.7	97.5	97.8	97.8	97.8	97.8	97.8	98.2	98.2
≥ 500	53.8	66.7	78.9	84.9	88.5	94.6	95.0	95.7	97.5	97.8	97.8	97.8	97.8	97.8	98.2	98.2
≥ 400	53.8	66.7	78.9	84.9	88.5	94.6	95.0	95.7	97.5	97.8	97.8	97.8	97.8	97.8	98.2	98.2
≥ 300	53.8	66.7	78.9	84.9	88.5	94.6	95.0	95.7	97.5	97.8	97.8	97.8	97.8	97.8	98.2	98.2
≥ 200	53.8	66.7	78.9	84.9	88.5	94.6	95.3	96.1	98.2	98.9	98.9	98.9	98.9	98.9	99.6	99.6
≥ 100	53.8	66.7	78.9	84.9	88.5	94.6	95.3	96.1	98.2	98.9	98.9	98.9	98.9	98.9	99.3	99.3
≥ 0	53.8	66.7	78.9	84.9	88.5	94.6	95.3	96.1	98.2	98.9	98.9	98.9	98.9	98.9	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 279

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

4221R TAI-CHUNG TAIWAN/CHING CHUAN KANG 69-71  
STATION STATION NAME YEARS

AVEG

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0300-0500

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.9	≥.8	≥.7	≥.6	≥.5	≥.4
NO CEILING		26.9	33.7	41.2	45.2	47.7	48.0	50.5	50.5	50.9	50.9	50.9	51.3	51.3	52.0	52.3
≥ 20000		28.3	35.5	43.4	47.3	49.8	50.2	53.0	53.0	53.8	53.8	53.8	54.1	54.1	54.8	55.2
≥ 18000		28.3	35.5	43.4	47.3	49.8	50.2	53.0	53.0	53.8	53.8	53.8	54.1	54.1	54.8	55.2
≥ 16000		28.3	35.5	43.4	47.3	49.8	50.2	53.0	53.0	53.8	53.8	53.8	54.1	54.1	54.8	55.2
≥ 14000		28.3	35.5	43.4	47.3	49.8	50.2	53.0	53.0	53.8	53.8	53.8	54.1	54.1	54.8	55.2
≥ 12000		29.4	36.6	44.4	48.4	50.9	51.3	54.1	54.1	54.8	54.8	54.8	55.2	55.2	55.9	56.3
≥ 10000		33.3	40.5	48.7	53.0	55.6	56.3	59.1	59.1	59.9	59.9	59.9	60.2	60.2	60.9	61.3
≥ 9000		33.3	40.5	49.1	53.4	55.9	56.6	59.5	59.5	60.2	60.2	60.2	60.9	60.9	62.0	62.4
≥ 8000		36.9	44.1	53.2	60.2	62.7	64.3	67.7	67.7	68.5	68.5	68.5	69.2	69.2	70.3	71.0
≥ 7000		40.5	48.0	59.1	64.9	67.4	69.2	72.4	72.4	73.1	73.1	73.1	73.8	73.8	74.9	75.6
≥ 6000		40.5	48.4	59.5	65.2	67.7	69.5	72.8	72.8	73.5	73.5	73.5	74.2	74.2	75.3	76.0
≥ 5000		40.9	48.7	59.9	65.6	68.1	69.9	73.1	73.1	73.8	73.8	73.8	74.6	74.6	75.6	76.3
≥ 4500		40.9	48.7	59.9	65.6	68.1	69.9	73.1	73.1	73.8	73.8	73.8	74.6	74.6	75.6	76.3
≥ 4000		40.9	48.7	59.9	65.6	68.1	69.9	73.1	73.1	73.8	73.8	73.8	74.6	74.6	75.6	76.3
≥ 3500		40.9	48.7	60.6	66.3	68.8	70.6	73.8	73.8	74.6	74.6	74.6	75.3	75.3	76.3	77.1
≥ 3000		40.9	48.7	60.6	66.3	68.8	70.6	73.8	73.8	74.6	74.6	74.6	75.3	75.3	76.3	77.1
≥ 2500		42.3	50.2	62.7	69.5	72.4	74.2	77.4	77.4	78.1	78.1	78.1	78.9	78.9	79.9	80.6
≥ 2000		43.7	52.7	65.9	74.2	77.1	78.9	82.1	82.1	83.5	83.5	83.5	84.2	84.2	85.3	86.0
≥ 1800		43.2	54.1	67.4	75.6	78.5	80.3	83.5	83.5	84.9	84.9	84.9	85.7	85.7	86.7	87.5
≥ 1500		45.2	54.5	67.7	76.0	78.9	80.6	83.9	83.9	85.3	85.3	85.3	86.0	86.0	87.1	87.8
≥ 1200		45.9	55.2	69.2	77.8	81.0	82.8	86.0	86.0	87.5	87.5	87.5	88.2	88.2	89.2	90.0
≥ 1000		47.3	57.0	71.0	79.6	82.8	84.6	87.8	88.2	89.6	89.6	89.6	90.3	90.3	91.4	92.1
≥ 900		47.3	57.0	71.0	79.6	82.8	84.6	87.8	88.2	89.6	89.6	89.6	90.3	90.3	91.4	92.1
≥ 800		47.3	57.0	71.0	79.6	82.8	84.6	87.8	88.2	89.6	89.6	89.6	90.3	90.3	91.4	92.1
≥ 700		47.3	57.0	71.0	79.6	82.8	84.6	87.8	88.2	89.6	89.6	89.6	90.3	90.3	91.4	92.1
≥ 600		47.7	57.3	71.3	80.3	83.5	87.1	90.3	90.7	92.1	92.1	92.1	92.8	92.8	93.9	94.6
≥ 500		47.7	57.3	71.3	80.3	83.5	87.1	90.3	90.7	92.1	92.1	92.1	92.8	92.8	93.9	94.6
≥ 400		47.7	57.3	71.3	80.3	83.5	87.1	90.3	90.7	92.1	92.1	92.1	92.8	92.8	93.9	94.6
≥ 300		47.7	57.3	71.3	80.3	83.5	87.1	90.3	90.7	92.1	92.1	92.1	92.8	92.8	93.9	94.6
≥ 200		47.7	57.3	71.3	80.3	83.5	87.1	90.3	90.7	92.1	92.1	92.1	92.8	92.8	93.9	94.6
≥ 100		47.7	57.3	71.3	80.3	83.5	87.1	90.3	90.7	92.1	92.1	92.1	92.8	92.8	93.9	94.6
≥ 0		47.7	57.3	71.3	80.3	83.5	87.1	90.3	90.7	92.1	92.1	92.1	92.8	92.8	93.9	94.6

TOTAL NUMBER OF OBSERVATIONS 279

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

4221<sup>st</sup> STATION TAI-CHUNG TAIWAN/CHING CHUAN KANG 69-71

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0600-0300  
HOURS, U.S.T.

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1.25	≥ 1	≥ .75	≥ .5	≥ .25	≥ .16	≥ .1	≥ 0
NO CEILING		21.9	33.3	44.8	50.5	53.0	53.8	55.2	55.9	58.1	59.5	59.5	60.6	60.6	60.6	60.6
≥ 20000		25.4	39.1	52.3	59.5	62.7	63.8	65.6	66.7	68.8	70.3	70.3	71.3	71.3	71.3	71.3
≥ 18000		25.4	39.1	52.3	59.5	62.7	63.8	65.6	66.7	68.8	70.3	70.3	71.3	71.3	71.3	71.3
≥ 16000		25.4	39.1	52.3	59.5	62.7	63.8	65.6	66.7	68.8	70.3	70.3	71.3	71.3	71.3	71.3
≥ 14000		25.8	39.4	52.7	59.9	63.1	64.2	65.9	67.0	69.2	70.6	70.6	71.7	71.7	71.7	71.7
≥ 12000		26.2	39.8	53.0	60.2	63.4	64.5	66.3	67.4	69.5	71.0	71.0	72.0	72.0	72.0	72.0
≥ 10000		28.7	43.4	57.3	65.6	68.8	69.9	71.7	72.8	74.9	76.3	76.3	77.4	77.4	77.4	77.4
≥ 9000		29.0	43.7	57.7	65.9	69.2	70.0	72.4	73.5	75.0	77.1	77.1	78.1	78.1	78.1	78.1
≥ 8000		30.8	47.0	62.0	71.7	74.9	76.3	78.5	79.6	81.7	83.2	83.2	84.2	84.2	84.2	84.2
≥ 7000		31.2	48.0	63.1	73.5	76.7	78.1	80.3	81.7	83.9	85.3	85.3	86.4	86.4	86.4	86.4
≥ 6000		31.5	48.4	63.4	73.8	77.1	78.5	80.6	82.1	84.2	85.7	85.7	86.7	86.7	86.7	86.7
≥ 5000		31.5	48.4	63.4	73.8	77.1	78.5	80.6	82.1	84.2	85.7	85.7	86.7	86.7	86.7	86.7
≥ 4500		31.5	48.4	63.4	73.8	77.1	78.5	80.6	82.1	84.2	85.7	85.7	86.7	86.7	86.7	86.7
≥ 4000		31.5	48.4	63.4	73.8	77.1	78.5	80.6	82.1	84.2	85.7	85.7	86.7	86.7	86.7	86.7
≥ 3500		31.5	48.7	63.8	74.2	77.4	78.9	81.0	82.4	84.6	86.0	86.0	87.1	87.1	87.1	87.1
≥ 3000		31.5	49.5	64.5	74.9	78.1	79.6	81.7	83.2	85.3	86.7	86.7	87.8	87.8	87.8	87.8
≥ 2500		31.9	50.2	65.9	76.7	80.6	82.1	84.2	85.7	87.8	89.2	89.2	90.3	90.3	90.3	90.3
≥ 2000		31.9	50.5	66.3	78.1	82.1	83.5	85.7	87.1	89.2	90.7	90.7	91.8	91.8	91.8	91.8
≥ 1800		31.9	50.5	66.3	78.1	82.1	83.5	85.7	87.1	89.2	90.7	90.7	91.8	91.8	91.8	91.8
≥ 1500		31.9	50.5	66.3	78.1	83.2	85.3	87.5	88.9	91.0	92.5	92.5	93.5	93.5	93.5	93.5
≥ 1200		32.3	50.9	67.0	78.9	84.2	86.4	88.5	90.0	92.1	93.5	93.5	94.6	94.6	94.6	94.6
≥ 1000		33.7	52.3	68.5	80.3	85.7	87.8	90.0	91.4	93.5	95.0	95.0	96.1	96.1	96.1	96.1
≥ 900		33.7	52.3	68.5	80.3	85.7	87.8	90.0	91.4	93.5	95.3	95.3	96.4	96.4	96.4	96.4
≥ 800		33.7	52.3	68.5	80.6	86.0	88.2	90.3	91.8	93.9	95.7	95.7	96.8	96.8	96.8	96.8
≥ 700		33.7	52.3	68.5	80.6	86.0	88.2	90.7	92.5	94.6	96.8	96.8	97.8	97.8	97.8	97.8
≥ 600		34.1	52.7	68.8	81.0	86.4	88.5	91.0	92.8	95.0	97.1	97.1	98.2	98.2	98.2	98.2
≥ 500		34.1	52.7	68.8	81.4	86.7	88.9	91.4	93.2	95.7	97.8	97.8	98.9	98.9	98.9	98.9
≥ 400		34.1	52.7	68.8	81.4	86.7	88.9	91.4	93.2	96.1	98.2	98.2	99.3	99.3	99.3	99.3
≥ 300		34.1	52.7	68.8	81.4	86.7	88.9	91.4	93.2	96.4	98.6	98.6	99.6	99.6	99.6	99.6
≥ 200		34.1	52.7	68.8	81.4	86.7	88.9	91.4	93.2	96.4	98.6	98.6	99.6	99.6	100.0	100.0
≥ 100		34.1	52.7	68.8	81.4	86.7	88.9	91.4	93.2	96.4	98.6	98.6	99.6	99.6	100.0	100.0
≥ 0		34.1	52.7	68.8	81.4	86.7	88.9	91.4	93.2	96.4	98.6	98.6	99.6	99.6	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 279

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

42212 STATION TAI-CHUNG TAIWAN/CHING CHUAN KANG 69-71

AUG

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0900-1100

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.5	≥.4	≥.3	≥.25	≥.2	≥.1
NO CEILING		58.4	49.5	54.8	57.3	57.7	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8
≥ 20000		43.7	57.0	62.4	65.6	65.9	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0
≥ 18000		43.7	57.0	62.4	65.6	65.9	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0
≥ 16000		43.7	57.0	62.4	65.6	65.9	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0
≥ 14000		43.7	57.0	62.4	65.6	65.9	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0
≥ 12000		45.9	59.1	64.5	67.7	68.1	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2
≥ 10000		50.5	64.5	70.3	73.5	73.8	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9
≥ 9000		50.5	64.5	70.3	73.5	73.8	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9
≥ 8000		53.0	68.1	74.2	77.4	77.8	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9
≥ 7000		53.8	68.8	74.9	78.1	78.5	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6
≥ 6000		53.8	69.2	75.3	78.5	78.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9
≥ 5000		54.1	69.9	76.0	79.2	79.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6
≥ 4500		54.1	69.9	76.0	79.2	79.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6
≥ 4000		54.1	69.9	76.0	79.2	79.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6
≥ 3500		54.1	69.9	76.3	79.9	80.3	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4
≥ 3000		54.1	70.3	77.1	80.6	81.0	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1
≥ 2500		56.3	74.2	82.1	85.7	86.0	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
≥ 2000		60.9	80.3	88.5	92.5	92.8	94.3	94.3	94.3	94.3	94.6	94.6	94.6	94.6	94.6	94.6
≥ 1800		60.9	80.3	88.5	92.5	92.8	94.3	94.3	94.3	94.3	94.6	94.6	94.6	94.6	94.6	94.6
≥ 1500		61.3	80.6	89.6	93.5	93.9	95.7	95.7	95.7	95.7	96.1	96.1	96.1	96.1	96.1	96.1
≥ 1200		62.4	81.7	91.0	95.0	95.3	97.5	97.5	97.5	97.5	97.8	97.8	97.8	97.8	97.8	97.8
≥ 1000		62.7	82.1	91.4	95.3	95.7	97.8	97.8	97.8	97.8	98.2	98.2	98.2	98.2	98.2	98.2
≥ 900		62.7	82.1	91.4	95.7	96.1	98.6	98.6	98.6	98.6	98.9	98.9	98.9	98.9	98.9	98.9
≥ 800		62.7	82.1	91.4	95.7	96.1	98.6	98.6	98.6	98.6	98.9	98.9	98.9	98.9	98.9	98.9
≥ 700		62.7	82.1	91.4	95.7	96.1	98.6	98.6	98.6	98.6	98.9	98.9	98.9	98.9	98.9	98.9
≥ 600		63.1	82.4	91.8	96.1	96.4	98.9	98.9	98.9	98.9	99.3	99.3	99.3	99.3	99.3	99.3
≥ 500		63.1	82.4	91.8	96.1	96.4	98.9	98.9	98.9	98.9	99.3	99.3	99.3	99.3	99.3	99.3
≥ 400		63.1	82.4	91.8	96.1	96.4	99.3	99.3	99.3	99.3	99.6	99.6	99.6	99.6	99.6	99.6
≥ 300		63.1	82.4	91.8	96.1	96.4	99.3	99.3	99.3	99.3	99.6	99.6	99.6	99.6	99.6	99.6
≥ 200		63.1	82.4	91.8	96.1	96.4	99.3	99.3	99.3	99.3	99.6	99.6	99.6	99.6	99.6	99.6
≥ 100		63.1	82.4	91.8	96.1	96.4	99.3	99.6	99.6	99.6	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0		63.1	82.4	91.8	96.1	96.4	99.3	99.6	99.6	99.6	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 279

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

42215  
STATION

TAI-CHUNG TAIWAN/CHING CHUAN KANG 69-71  
STATION NAME

YEAR

ALG  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1200-1400  
HOURS

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	≥5/16	≥½
NO CEILING		45.2	50.2	52.0	53.4	53.8	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1
≥ 20000		53.8	60.2	63.4	64.9	65.2	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6
≥ 18000		53.8	60.2	63.4	64.9	65.2	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6
≥ 16000		53.8	60.2	63.4	64.9	65.2	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6
≥ 14000		54.1	60.9	64.2	65.6	65.9	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3
≥ 12000		54.8	62.0	65.2	66.7	67.0	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
≥ 10000		59.9	67.0	70.3	71.7	72.0	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4
≥ 9000		59.9	67.0	70.3	71.7	72.0	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4
≥ 8000		62.4	69.9	73.1	74.6	74.9	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
≥ 7000		63.8	71.7	74.9	76.3	76.7	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1
≥ 6000		64.2	72.0	75.3	76.7	77.4	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8
≥ 5000		64.5	72.4	75.6	77.1	77.8	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1
≥ 4500		64.9	72.8	76.0	77.4	78.1	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5
≥ 4000		65.6	73.5	76.7	78.1	78.9	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2
≥ 3500		65.6	73.5	76.7	78.1	78.9	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2
≥ 3000		65.6	73.5	77.4	78.9	79.6	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9
≥ 2500		69.9	78.5	82.8	84.2	84.9	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3
≥ 2000		74.6	84.9	89.6	91.0	92.1	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5
≥ 1800		74.6	84.9	89.6	91.0	92.1	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5
≥ 1500		76.7	87.8	92.5	93.9	95.0	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
≥ 1200		77.1	88.5	93.2	94.6	96.1	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4
≥ 1000		77.8	89.2	93.9	95.3	96.8	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
≥ 900		77.8	89.2	93.9	95.3	96.8	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
≥ 800		78.1	89.6	94.3	95.7	97.1	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
≥ 700		78.1	89.6	94.3	95.7	97.1	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
≥ 600		78.1	89.6	94.3	95.7	97.1	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
≥ 500		78.1	89.6	94.3	95.7	97.1	97.8	98.2	98.2	98.2	98.6	98.6	98.9	98.9	98.9
≥ 400		78.1	89.6	94.3	95.7	97.1	97.8	98.6	98.6	98.6	98.9	98.9	99.3	99.3	99.3
≥ 300		78.1	89.6	94.3	95.7	97.1	97.8	99.3	99.3	99.3	99.6	99.6	100.0	100.0	100.0
≥ 200		78.1	89.6	94.3	95.7	97.1	97.8	99.3	99.3	99.3	99.6	99.6	100.0	100.0	100.0
≥ 100		78.1	89.6	94.3	95.7	97.1	97.8	99.3	99.3	99.3	99.6	99.6	100.0	100.0	100.0
≥ 0		78.1	89.6	94.3	95.7	97.1	97.8	99.3	99.3	99.3	99.6	99.6	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 279

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/HAC

# CEILING VERSUS VISIBILITY

42213 TAI-CHUNG TAIWAN/CHING CHUAN KANG 69-71  
STATION NAME

DATE

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1500-1700

CEILING FEET:	VISIBILITY (STATUTE MILES):															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1.4	≥ 1	≥ .9	≥ .8	≥ .75	≥ .6	≥ .5	≥ 0
NO CEILING		50.5	51.3	52.3	53.4	54.1	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2
≥ 20000		60.2	61.6	64.2	65.2	66.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
≥ 18000		60.2	61.6	64.2	65.2	66.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
≥ 16000		60.2	61.6	64.2	65.2	66.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
≥ 14000		60.9	62.4	65.2	66.3	67.7	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8
≥ 12000		62.7	64.5	67.4	68.5	69.9	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
≥ 10000		67.7	69.9	73.1	74.2	75.6	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7
≥ 9000		67.7	69.9	73.1	74.2	75.6	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7
≥ 8000		72.0	74.6	77.8	78.9	80.3	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4
≥ 7000		73.8	76.3	79.6	81.0	82.4	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5
≥ 6000		73.8	76.3	79.6	81.0	82.4	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5
≥ 5000		75.3	78.1	81.7	83.2	84.6	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7
≥ 4500		75.3	78.1	81.7	83.2	84.6	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7
≥ 4000		75.3	78.1	81.7	83.2	84.6	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7
≥ 3500		76.3	79.2	82.8	84.2	85.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7
≥ 3000		76.7	79.6	83.2	84.6	86.0	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
≥ 2500		77.8	81.0	85.3	86.7	88.3	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6
≥ 2000		78.5	82.4	87.1	88.9	90.7	91.8	91.8	91.8	92.1	92.1	92.1	92.1	92.1	92.1	92.1
≥ 1800		78.5	82.4	87.1	88.9	90.7	91.8	91.8	91.8	92.1	92.1	92.1	92.1	92.1	92.1	92.1
≥ 1500		79.6	84.9	89.6	91.4	93.2	94.3	94.3	94.3	94.6	94.6	94.6	94.6	94.6	94.6	94.6
≥ 1200		79.6	84.9	89.6	92.1	93.0	96.1	96.1	96.1	96.4	96.4	96.4	96.4	96.4	96.4	96.4
≥ 1000		79.6	85.3	90.0	92.5	93.3	96.4	96.8	96.8	97.1	97.1	97.1	97.1	97.1	97.1	97.1
≥ 900		79.6	85.3	90.0	92.5	93.3	96.4	96.8	96.8	97.1	97.1	97.1	97.1	97.1	97.1	97.1
≥ 800		79.9	86.0	90.7	93.2	96.1	97.1	97.1	97.1	97.5	97.5	97.5	97.5	97.5	97.5	97.5
≥ 700		79.9	86.0	90.7	93.2	96.1	97.1	97.1	97.1	97.5	97.5	97.5	97.5	97.5	97.5	97.5
≥ 600		79.9	86.0	90.7	93.2	96.1	97.1	97.1	97.1	97.5	97.5	97.5	97.5	97.5	97.5	97.5
≥ 500		79.9	86.0	90.7	93.2	96.1	97.1	97.1	97.1	97.5	97.5	97.5	97.5	97.5	97.5	97.5
≥ 400		79.9	86.0	90.7	93.2	96.1	97.1	97.1	97.1	97.5	97.5	97.5	97.5	97.5	97.5	97.5
≥ 300		79.9	86.4	91.0	93.5	96.4	97.5	97.5	97.5	98.6	98.6	98.6	98.6	98.6	98.6	98.6
≥ 200		79.9	86.4	91.0	93.5	96.4	97.5	97.5	97.5	98.6	98.6	98.6	98.6	98.6	98.6	98.6
≥ 100		79.9	86.4	91.0	93.5	96.4	97.5	97.5	97.5	98.6	98.6	98.6	98.6	98.6	98.6	98.6
≥ 0		79.9	86.4	91.0	93.5	96.4	97.5	97.5	97.5	98.6	98.6	98.6	98.6	98.6	98.6	98.6

TOTAL NUMBER OF OBSERVATIONS 279

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

42218  
STATION

TAI-CHUNG TAIWAN/CHING CHUAN KANG 69-71  
STATION NAME YEARS

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1800-2000  
HOURS (LT)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 1/8	≥ 0
NO CEILING		46.6	52.0	53.0	55.2	55.2	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3
≥ 20000		52.0	59.5	60.9	64.5	64.5	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6
≥ 18000		52.0	59.5	60.9	64.5	64.5	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6
≥ 16000		52.0	59.5	60.9	64.5	64.5	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6
≥ 14000		52.7	60.2	61.6	63.2	63.2	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3
≥ 12000		54.1	62.4	63.8	67.4	67.4	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5
≥ 10000		59.1	68.6	70.3	73.8	73.8	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9
≥ 9000		59.1	68.8	70.3	73.8	73.8	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9
≥ 8000		65.2	75.3	76.7	81.0	81.0	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1
≥ 7000		65.6	75.6	77.1	81.4	81.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4
≥ 6000		65.9	76.0	77.4	81.7	81.7	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8
≥ 5000		66.7	76.7	78.1	82.4	82.4	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5
≥ 4500		66.7	76.7	78.1	82.4	82.4	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5
≥ 4000		66.7	76.7	78.1	82.4	82.4	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5
≥ 3500		67.0	77.1	78.5	82.8	82.8	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
≥ 3000		68.5	78.5	79.9	84.2	84.2	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3
≥ 2500		70.3	81.0	82.4	87.1	87.1	88.9	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6
≥ 2000		72.0	83.2	84.9	90.0	90.0	92.1	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8
≥ 1800		72.0	83.2	84.9	90.0	90.0	92.1	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2
≥ 1500		72.0	83.5	85.7	90.7	91.0	93.2	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
≥ 1200		72.4	84.2	87.1	92.1	92.5	94.6	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
≥ 1000		72.4	84.2	87.1	92.1	92.5	94.6	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
≥ 900		72.4	84.2	87.5	92.5	92.8	95.0	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4
≥ 800		72.4	84.2	87.5	92.5	92.8	95.0	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 700		72.4	84.2	87.5	92.5	92.8	95.7	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
≥ 600		72.4	84.2	87.5	92.5	92.8	95.7	97.5	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
≥ 500		72.4	84.2	87.5	92.5	92.8	96.1	97.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥ 400		72.4	84.2	87.5	92.5	92.8	96.1	98.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 300		72.4	84.2	87.5	92.5	93.2	96.4	98.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200		72.4	84.2	87.5	92.5	93.2	96.4	98.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100		72.4	84.2	87.5	92.5	93.2	96.4	98.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0		72.4	84.2	87.5	92.5	93.2	96.4	98.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 279

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

42218  
STATION

TAI-CHUNG TAIWAN/CHING CHUAN KANG 69-71  
STATION NAME

YEAR

FILE

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

2100-2300  
HOURS

CEILING FEET:	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/8	≥ 0	≥ 0
NO CEILING		43.0	49.1	51.3	52.3	53.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8
≥ 20000		47.7	54.5	56.6	58.8	60.2	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
≥ 18000		47.7	54.5	56.6	58.8	60.2	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
≥ 16000		47.7	54.5	56.6	58.8	60.2	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
≥ 14000		48.0	54.8	57.0	59.1	60.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6
≥ 12000		48.4	55.2	57.3	59.5	60.9	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0
≥ 10000		52.7	60.6	62.7	64.9	66.3	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
≥ 9000		53.0	60.9	63.1	65.2	66.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
≥ 8000		59.9	68.5	71.7	75.3	76.7	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8
≥ 7000		64.2	72.8	76.3	79.9	81.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4
≥ 6000		64.9	73.5	77.4	81.0	82.4	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5
≥ 5000		65.9	74.6	78.5	82.1	83.5	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6
≥ 4500		65.9	74.6	78.5	82.1	83.5	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6
≥ 4000		66.7	75.3	79.2	82.8	84.2	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3
≥ 3500		66.7	75.3	79.2	82.8	84.2	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3
≥ 3000		67.0	76.7	81.4	84.9	86.4	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5
≥ 2500		68.8	78.5	83.5	87.5	88.9	90.0	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
≥ 2000		71.3	81.4	87.1	91.0	92.5	93.5	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9
≥ 1800		72.4	82.4	88.2	92.1	93.5	94.6	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0
≥ 1500		72.4	83.5	89.2	93.2	94.6	95.7	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
≥ 1200		73.5	84.6	90.3	94.3	95.7	97.1	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
≥ 1000		73.5	84.6	90.3	94.3	95.7	97.1	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
≥ 900		73.8	84.9	90.7	94.6	96.1	97.5	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
≥ 800		73.8	84.9	91.4	95.2	96.8	98.2	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
≥ 700		73.8	84.9	91.4	96.1	97.8	99.3	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 600		73.8	84.9	91.4	96.1	97.8	99.3	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 500		73.8	84.9	91.4	96.1	97.8	99.3	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 400		73.8	84.9	91.4	96.1	97.8	99.3	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 300		73.8	84.9	91.4	96.1	97.8	99.3	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 200		73.8	84.9	91.4	96.1	97.8	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100		73.8	84.9	91.4	96.1	97.8	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0		73.8	84.9	91.4	96.1	97.8	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 279



DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

4221A TAI-CHUNG TAIWAN/CHING CHUAN KANG 69-71

STATION NAME YEARS  
0000-0000

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ .75	≥ .5	≥ .25	≥ .16	≥ .1	≥ 0	
NO CEILING		20.4	26.3	31.9	37.8	41.9	44.1	45.2	46.7	47.4	48.1	48.1	48.1	48.1	48.9	
≥ 20000		23.0	29.3	35.9	43.3	47.4	49.6	51.1	53.0	53.7	54.4	54.4	54.4	54.4	55.2	
≥ 18000		23.0	29.3	35.9	43.3	47.4	49.6	51.1	53.0	53.7	54.4	54.4	54.4	54.4	55.2	
≥ 16000		23.0	29.3	35.9	43.3	47.4	49.6	51.1	53.0	53.7	54.4	54.4	54.4	54.4	55.2	
≥ 14000		23.0	29.3	35.9	43.3	47.4	49.6	51.1	53.0	53.7	54.4	54.4	54.4	54.4	55.2	
≥ 12000		23.0	29.3	35.9	43.3	47.4	49.6	51.1	53.0	53.7	54.4	54.4	54.4	54.4	55.2	
≥ 10000		25.9	33.0	39.6	47.8	52.6	55.2	56.7	58.5	59.3	60.0	60.0	60.0	60.0	60.7	
≥ 9000		26.7	33.7	41.1	49.3	54.1	56.7	58.1	60.0	60.7	61.5	61.5	61.5	61.5	61.9	62.2
≥ 8000		30.0	37.0	44.8	53.7	58.5	61.5	63.0	64.8	65.6	66.7	66.7	66.7	66.7	67.0	67.4
≥ 7000		30.4	37.4	45.2	54.1	58.9	61.9	63.3	65.2	65.9	67.0	67.0	67.0	67.0	67.4	67.8
≥ 6000		30.4	37.4	45.2	54.1	58.9	61.9	63.3	65.2	65.9	67.0	67.0	67.0	67.0	67.4	67.8
≥ 5000		30.4	37.4	45.2	54.1	58.9	61.9	63.3	65.2	65.9	67.0	67.0	67.0	67.0	67.4	67.8
≥ 4500		30.4	37.4	45.2	54.1	58.9	61.9	63.3	65.2	65.9	67.0	67.0	67.0	67.0	67.4	67.8
≥ 4000		30.7	37.8	45.6	54.4	60.4	63.3	64.8	66.7	67.4	68.5	68.5	68.5	68.5	68.9	69.3
≥ 3500		30.7	37.8	45.6	54.4	60.4	63.3	64.8	66.7	67.4	68.5	68.5	68.5	68.5	68.9	69.3
≥ 3000		30.7	37.8	45.6	54.4	60.4	63.3	64.8	66.7	67.4	68.5	68.5	68.5	68.5	68.9	69.3
≥ 2500		30.7	37.8	45.6	54.4	60.4	63.3	64.8	66.7	67.4	68.5	68.5	68.5	68.5	68.9	69.3
≥ 2000		32.2	39.6	49.6	60.0	66.3	70.0	71.5	73.3	74.4	75.6	75.6	75.6	75.6	76.3	76.7
≥ 1800		32.2	39.6	49.6	60.0	66.3	70.0	71.5	73.3	74.4	75.6	75.6	75.6	75.6	76.3	76.7
≥ 1500		32.2	39.6	49.6	60.0	66.3	70.0	71.5	73.3	74.4	75.6	75.6	75.6	75.6	76.3	76.7
≥ 1200		32.2	39.6	50.0	61.5	68.1	72.2	73.7	75.6	77.0	78.1	78.1	78.5	78.5	78.9	79.3
≥ 1000		32.2	39.6	50.4	62.2	68.9	73.0	75.2	77.0	78.5	79.6	79.6	80.0	80.0	80.4	80.7
≥ 900		32.2	39.6	50.4	62.2	68.9	73.0	75.2	77.0	78.5	79.6	79.6	80.0	80.0	80.4	80.7
≥ 800		32.6	40.4	51.1	63.0	70.0	74.1	76.3	78.1	80.0	81.1	81.1	81.5	81.5	81.9	82.2
≥ 700		34.1	42.2	53.0	64.8	71.9	75.9	78.5	80.4	82.2	83.3	83.3	83.7	83.7	84.1	84.4
≥ 600		34.1	42.2	53.0	65.2	72.2	76.7	79.6	81.5	84.1	85.2	85.2	85.6	85.6	85.9	86.3
≥ 500		34.1	42.2	53.3	65.9	73.0	77.4	80.7	82.6	86.3	87.4	87.4	87.8	88.5	88.9	89.3
≥ 400		34.8	43.3	54.4	67.0	74.1	78.5	81.9	83.7	87.4	88.5	88.5	88.9	89.6	90.4	90.7
≥ 300		34.8	43.3	54.4	68.5	75.6	80.0	83.3	85.2	88.9	90.0	90.0	90.7	91.5	92.2	92.6
≥ 200		34.8	43.3	54.4	68.5	75.6	80.0	83.7	85.9	89.6	92.6	93.3	94.1	94.8	95.6	95.9
≥ 100		34.8	43.3	54.4	68.5	75.6	80.0	83.7	85.9	90.0	93.7	94.4	95.2	97.0	97.8	100.0
≥ 0		34.8	43.3	54.4	68.5	75.6	80.0	83.7	85.9	90.0	93.7	94.4	95.2	97.0	97.8	100.0

TOTAL NUMBER OF OBSERVATIONS 270

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

42218 STATION TAI-CHUNG TAIWAN/CHING CHUAN KANG 69-71

YEARS

SEP MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0300-0500 HOURS LST

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING		13.6	21.5	27.8	31.5	35.2	40.4	41.9	41.9	42.6	43.3	43.3	43.7	43.7	44.8	45.6
≥ 20000		19.6	26.3	33.7	37.4	41.1	46.3	49.3	49.3	50.0	51.1	51.1	51.5	51.5	52.6	53.3
≥ 18000		19.6	26.3	33.7	37.4	41.1	46.3	49.3	49.3	50.0	51.1	51.1	51.5	51.5	52.6	53.3
≥ 16000		19.6	26.3	33.7	37.4	41.1	46.3	49.3	49.3	50.0	51.1	51.1	51.5	51.5	52.6	53.3
≥ 14000		19.6	26.3	33.7	37.4	41.1	46.3	49.3	49.3	50.0	51.1	51.1	51.5	51.5	52.6	53.3
≥ 12000		19.6	26.3	33.7	37.4	41.1	46.3	49.3	49.3	50.0	51.1	51.1	51.5	51.5	52.6	53.3
≥ 10000		22.2	29.3	37.0	41.1	45.9	51.1	54.1	54.1	54.8	55.9	55.9	56.3	56.3	57.4	58.1
≥ 9000		22.2	29.3	37.4	41.1	46.3	51.1	54.4	54.4	55.2	56.3	56.3	56.7	56.7	57.8	58.5
≥ 8000		23.7	30.7	38.9	43.0	47.8	53.0	56.7	56.7	57.4	58.5	58.5	58.9	58.9	60.0	60.7
≥ 7000		24.1	31.1	39.3	43.3	48.1	53.3	57.0	57.0	57.8	58.9	58.9	59.3	59.3	60.4	61.1
≥ 6000		24.1	31.1	39.3	43.3	48.1	53.3	57.0	57.0	57.8	58.9	58.9	59.3	59.3	60.4	61.1
≥ 5000		24.1	31.1	39.3	43.3	48.1	53.3	57.0	57.0	57.8	58.9	58.9	59.3	59.3	60.4	61.1
≥ 4500		24.1	31.1	39.3	43.3	48.1	53.3	57.0	57.0	57.8	58.9	58.9	59.3	59.3	60.4	61.1
≥ 4000		24.1	31.1	39.3	44.1	48.9	54.4	58.1	58.1	58.9	60.0	60.0	60.4	60.4	61.5	62.2
≥ 3500		24.1	31.1	39.6	44.4	49.3	54.8	58.5	58.5	59.3	60.4	60.4	60.7	60.7	61.9	62.6
≥ 3000		24.1	31.1	40.0	45.2	50.4	56.3	60.7	60.7	61.5	62.6	62.6	63.0	63.0	64.1	64.8
≥ 2500		24.4	31.9	40.4	46.7	51.9	57.8	62.2	62.2	63.0	64.1	64.1	64.4	64.4	65.9	66.7
≥ 2000		24.4	31.9	41.1	48.5	53.7	59.6	64.4	64.4	65.2	66.3	66.3	66.7	66.7	68.1	68.9
≥ 1800		24.4	31.9	41.1	48.5	53.7	59.6	64.4	64.4	65.2	66.3	66.3	66.7	66.7	68.1	68.9
≥ 1500		23.2	32.6	41.9	50.0	55.2	61.1	65.9	65.9	66.7	68.1	68.1	68.9	68.9	70.7	71.5
≥ 1200		23.9	33.3	43.3	51.9	57.0	63.3	68.1	68.1	68.9	70.4	70.4	71.1	71.1	73.0	73.7
≥ 1000		23.9	34.1	44.4	53.0	58.1	64.4	69.3	69.3	70.0	71.5	71.5	72.2	72.2	74.1	74.8
≥ 900		23.9	34.1	44.4	53.0	58.1	64.4	69.3	69.3	70.0	71.5	71.5	72.2	72.2	74.1	74.8
≥ 800		23.9	34.1	44.4	53.0	58.1	64.8	69.6	69.6	70.4	71.9	71.9	73.0	73.0	75.2	75.9
≥ 700		23.9	34.1	44.4	53.0	58.1	64.8	69.6	69.6	70.4	71.9	71.9	73.0	73.0	75.2	75.9
≥ 600		23.9	34.1	44.4	53.3	58.5	65.2	70.0	70.0	71.1	73.0	73.0	74.1	74.1	76.7	77.4
≥ 500		27.8	35.9	46.3	55.6	61.1	69.6	74.8	75.2	77.0	79.6	80.0	82.2	82.2	85.2	85.9
≥ 400		28.9	37.0	47.4	56.7	62.6	71.1	76.3	76.7	78.5	81.9	82.2	84.4	84.4	87.4	88.5
≥ 300		29.3	38.5	48.9	58.1	64.1	73.3	78.9	79.3	81.5	85.2	86.3	88.5	88.5	91.5	93.0
≥ 200		29.3	38.5	48.9	58.1	64.1	74.4	80.0	80.4	84.1	87.8	89.6	92.2	92.2	95.2	97.0
≥ 100		29.3	38.5	48.9	58.1	64.1	74.4	80.0	80.4	85.2	89.3	91.1	93.7	94.1	97.8	100.0
≥ 0		29.3	38.5	48.9	58.1	64.1	74.4	80.0	80.4	85.2	89.3	91.1	93.7	94.1	97.8	100.0

TOTAL NUMBER OF OBSERVATIONS 270

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

42218  
STATION

TAI-CHUNG TAIWAN/CHING CHUAN KANG 69-71  
STATION NAME

YEARS

SFP  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0600-0800  
HOURS LST

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	¾	≥5/16	≥0
NO CEILING		11.5	15.9	25.6	32.2	34.8	38.5	40.4	42.2	45.9	46.7	46.7	47.0	47.8	48.9	49.3
≥ 20000		15.6	21.1	31.1	38.5	41.9	45.6	48.1	50.0	54.1	54.8	54.8	55.2	55.9	57.0	57.4
≥ 18000		15.6	21.1	31.1	38.5	41.9	45.6	48.1	50.0	54.1	54.8	54.8	55.2	55.9	57.0	57.4
≥ 16000		15.6	21.1	31.1	38.5	41.9	45.6	48.1	50.0	54.1	54.8	54.8	55.2	55.9	57.0	57.4
≥ 14000		15.6	21.1	31.1	38.5	42.2	45.9	48.9	50.7	54.8	55.6	55.6	55.9	56.7	57.8	58.1
≥ 12000		18.1	24.1	34.1	41.5	45.2	48.9	51.9	53.7	57.8	58.5	58.5	58.9	59.6	60.7	61.1
≥ 10000		23.3	29.3	39.6	48.1	51.9	55.9	58.9	60.7	64.8	65.6	65.6	65.9	66.7	67.8	68.1
≥ 9000		23.7	29.6	40.0	48.5	52.2	56.3	59.3	61.1	65.2	65.9	65.9	66.3	67.0	68.1	68.5
≥ 8000		24.4	31.9	42.2	51.1	55.2	59.3	62.6	64.4	68.9	70.0	70.0	70.4	71.1	72.2	72.6
≥ 7000		24.8	32.2	42.6	51.5	55.6	59.6	63.0	65.2	69.6	70.7	70.7	71.1	71.9	73.0	73.3
≥ 6000		24.8	32.2	42.6	51.5	55.6	59.6	63.0	65.2	69.6	70.7	70.7	71.1	71.9	73.0	73.3
≥ 5000		24.8	32.6	43.0	51.9	55.9	60.0	63.3	65.6	70.0	71.1	71.1	71.5	72.2	73.3	73.7
≥ 4500		24.8	32.6	43.0	51.9	55.9	60.0	63.3	65.6	70.0	71.1	71.1	71.5	72.2	73.3	73.7
≥ 4000		25.2	33.0	43.3	52.2	56.3	60.4	63.7	65.9	70.4	71.5	71.5	71.9	72.6	73.7	74.1
≥ 3500		25.2	33.0	43.3	52.2	56.3	60.4	63.7	65.9	70.4	71.5	71.5	71.9	72.6	73.7	74.1
≥ 3000		25.2	33.0	43.3	52.2	56.7	60.7	64.8	67.0	71.5	72.6	72.6	73.0	73.7	74.8	75.2
≥ 2500		25.2	33.0	43.3	52.6	57.0	61.1	65.2	67.8	72.2	73.7	73.7	74.1	74.8	75.9	76.3
≥ 2000		25.2	33.0	43.7	53.3	58.9	63.3	67.8	70.4	74.8	76.3	76.3	76.7	77.4	78.5	78.9
≥ 1800		25.2	33.0	44.1	53.7	59.3	63.7	68.1	70.7	75.2	76.7	76.7	77.0	77.8	78.9	79.3
≥ 1500		25.6	33.3	44.4	54.1	59.6	64.1	68.9	71.9	76.7	78.5	78.5	78.9	80.0	81.1	81.5
≥ 1200		26.3	34.1	45.2	54.8	60.4	64.8	70.0	73.0	77.8	79.6	79.6	80.0	81.1	82.2	82.6
≥ 1000		27.4	35.6	46.7	56.7	62.6	67.4	72.6	75.6	80.4	82.2	82.2	82.6	83.7	84.8	85.2
≥ 900		27.4	35.6	46.7	56.7	62.6	67.4	72.6	75.6	80.4	82.2	82.2	82.6	83.7	84.8	85.2
≥ 800		27.4	35.6	46.7	56.7	63.0	68.5	73.7	76.7	81.9	83.7	84.1	84.4	85.6	86.7	87.0
≥ 700		27.4	35.9	47.0	57.0	63.3	68.9	74.1	77.0	82.2	84.1	84.4	84.8	85.9	87.0	87.4
≥ 600		27.8	36.7	47.8	58.1	64.4	70.0	75.2	78.1	83.3	85.2	85.6	85.9	87.4	88.5	88.9
≥ 500		27.8	37.4	48.5	58.9	65.2	71.1	76.3	79.3	84.8	87.4	87.8	88.5	90.0	91.1	91.5
≥ 400		28.3	38.1	49.3	59.6	65.9	71.9	77.0	80.0	85.9	88.5	88.9	89.6	91.1	92.2	92.6
≥ 300		28.9	38.5	49.6	60.0	66.3	73.3	79.3	82.2	88.1	91.5	92.2	93.0	94.4	95.6	95.9
≥ 200		28.9	38.9	50.0	60.4	66.7	73.7	79.6	82.6	88.5	91.9	92.6	94.1	95.6	97.4	98.9
≥ 100		28.9	38.9	50.0	60.4	66.7	73.7	79.6	82.6	88.5	91.9	93.0	94.4	96.3	98.5	100.0
≥ 0		28.9	38.9	50.0	60.4	66.7	73.7	79.6	82.6	88.5	91.9	93.0	94.4	96.3	98.5	100.0

TOTAL NUMBER OF OBSERVATIONS 270

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

6221R  
STATION

TAI-CHUNG TAIWAN/CHING CHUAN KANG 69-71  
STATION NAME

YEARS

5 FP  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0900-1100  
HOURS LST

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 0	≥ 0
NO CEILING		20.0	30.4	38.1	41.1	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9
≥ 20000		27.8	38.1	48.1	51.5	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6
≥ 18000		27.8	38.1	48.1	51.5	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6
≥ 16000		27.8	38.1	48.1	51.5	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6
≥ 14000		28.5	39.3	49.3	52.6	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1
≥ 12000		33.0	44.8	54.8	58.1	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6
≥ 10000		33.2	47.8	59.3	63.0	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4
≥ 9000		35.6	48.1	59.6	63.3	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8
≥ 8000		36.7	50.7	62.2	66.3	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8
≥ 7000		36.7	50.7	62.2	66.3	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8
≥ 6000		36.7	50.7	62.2	66.3	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8
≥ 5000		36.7	50.7	62.2	66.3	67.8	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5
≥ 4500		36.7	50.7	62.2	66.3	67.8	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5
≥ 4000		36.7	50.7	62.2	66.3	67.8	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5
≥ 3500		36.7	50.7	62.2	66.3	67.8	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5
≥ 3000		37.0	51.1	63.0	67.0	68.5	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6
≥ 2500		38.1	53.7	66.7	71.9	73.3	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8
≥ 2000		38.1	53.2	68.5	73.7	75.6	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0
≥ 1800		38.1	53.6	68.9	75.6	77.4	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9
≥ 1500		39.3	57.4	71.1	78.1	80.7	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2
≥ 1200		39.6	57.8	72.2	79.3	82.2	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7
≥ 1000		40.0	58.1	73.3	80.4	83.3	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
≥ 900		40.0	58.1	73.3	80.4	83.3	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
≥ 800		40.0	58.1	73.3	80.4	83.3	85.2	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9
≥ 700		41.1	59.3	74.4	81.5	84.8	86.7	87.4	87.4	87.4	87.4	87.8	87.8	87.8	87.8	87.8
≥ 600		41.1	59.3	74.4	81.9	85.6	88.1	88.9	88.9	88.9	88.9	89.3	89.3	89.3	89.3	89.3
≥ 500		41.9	60.7	76.7	84.4	88.1	90.7	91.5	91.5	91.5	91.5	92.6	92.6	92.6	92.6	92.6
≥ 400		42.6	61.9	77.8	85.6	89.3	91.9	92.6	92.6	93.0	93.7	93.7	93.7	93.7	93.7	93.7
≥ 300		43.0	62.2	78.1	87.0	91.1	94.8	96.3	96.7	97.0	98.1	98.1	98.1	98.1	98.1	98.1
≥ 200		43.0	62.2	78.1	87.0	91.1	94.8	96.3	97.0	97.4	98.9	98.9	99.3	99.3	100.0	100.0
≥ 100		43.0	62.2	78.1	87.0	91.1	94.8	96.3	97.0	97.4	98.9	98.9	99.3	99.3	100.0	100.0
≥ 0		43.0	62.2	78.1	87.0	91.1	94.8	96.3	97.0	97.4	98.9	98.9	99.3	99.3	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 270

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

4221F STATION TAI-CHUNG TAIWAN/CHING CHUAN KANG 69-71

YEARS SEP

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1200-1400

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ .75	≥ .5	≥ .25	≥ .16	≥ .1	≥ 0	
NO CEILING		27.4	35.6	38.5	39.6	39.6	39.6	39.6	39.6	39.6	39.6	39.6	39.6	39.6	39.6	39.6
≥ 20000		36.7	46.7	50.0	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1
≥ 18000		36.7	46.7	50.0	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1
≥ 16000		36.7	46.7	50.0	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1
≥ 14000		36.7	47.0	50.4	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2
≥ 12000		38.5	50.4	54.1	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9
≥ 10000		43.3	56.7	60.4	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2
≥ 9000		43.3	56.7	60.4	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2
≥ 8000		46.3	60.4	64.4	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0
≥ 7000		47.0	61.1	65.2	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1
≥ 6000		47.0	61.1	65.2	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1
≥ 5000		47.8	61.9	65.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9
≥ 4500		47.8	61.9	65.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9
≥ 4000		47.8	61.9	65.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9
≥ 3500		47.8	61.9	65.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9
≥ 3000		48.5	62.6	67.0	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4
≥ 2500		51.5	67.4	73.7	77.8	77.8	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1
≥ 2000		53.3	70.7	77.4	81.9	82.2	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
≥ 1800		54.1	71.5	78.1	83.0	83.3	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7
≥ 1500		54.8	72.2	80.0	85.2	85.6	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9
≥ 1200		55.6	73.0	80.7	85.9	86.7	87.0	87.0	87.0	87.0	87.4	87.4	87.4	87.4	87.4	87.4
≥ 1000		55.6	73.0	81.1	86.3	87.0	87.4	87.4	87.4	87.4	87.8	87.8	87.8	87.8	87.8	87.8
≥ 900		55.9	73.3	81.5	86.7	87.4	87.8	87.8	87.8	88.1	88.1	88.1	88.1	88.1	88.1	88.1
≥ 800		56.7	74.1	82.2	87.4	88.1	88.5	88.5	88.5	88.9	88.9	88.9	88.9	88.9	88.9	88.9
≥ 700		57.8	75.2	83.3	88.5	89.3	89.6	89.6	89.6	90.0	90.0	90.0	90.0	90.0	90.0	90.0
≥ 600		57.8	75.9	85.2	90.4	91.1	91.5	91.5	91.5	91.9	91.9	91.9	91.9	91.9	91.9	91.9
≥ 500		57.8	77.0	87.4	92.6	93.3	93.7	93.7	93.7	94.1	94.1	94.1	94.1	94.1	94.1	94.1
≥ 400		57.8	77.0	87.4	92.6	93.3	93.7	93.7	93.7	94.1	94.1	94.1	94.1	94.1	94.1	94.1
≥ 300		57.8	77.4	88.1	93.7	94.4	94.8	96.3	96.3	97.8	97.8	97.8	97.8	97.8	97.8	97.8
≥ 200		57.8	77.4	88.1	93.7	94.4	94.8	96.3	96.7	98.1	98.5	98.9	98.9	98.9	100.0	100.0
≥ 100		57.8	77.4	88.1	93.7	94.4	94.8	96.3	96.7	98.1	98.5	98.9	98.9	98.9	100.0	100.0
≥ 0		57.8	77.4	88.1	93.7	94.4	94.8	96.3	96.7	98.1	98.5	98.9	98.9	98.9	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 270

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

4221R STATION TAI-CHUNG TAIWAN/CHING CHUAN KANG 69-71

SEP

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1500-1700

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ .5	≥ .3	≥ .25	≥ .2	≥ .15	≥ .1	≥ 0
NO CEILING		49.3	45.6	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8
≥ 20000		47.8	57.8	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4
≥ 18000		47.8	57.8	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4
≥ 16000		47.8	57.8	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4
≥ 14000		48.5	56.5	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1
≥ 12000		50.4	61.9	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4
≥ 10000		54.8	68.1	70.7	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5
≥ 9000		54.8	68.1	70.7	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5
≥ 8000		62.2	75.9	78.9	79.6	79.6	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
≥ 7000		64.1	78.5	81.9	82.6	82.6	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0
≥ 6000		64.1	78.5	81.9	82.6	82.6	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0
≥ 5000		64.4	78.9	82.2	83.0	83.0	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
≥ 4500		64.4	78.9	82.2	83.0	83.0	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
≥ 4000		64.4	78.9	82.2	83.0	83.0	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
≥ 3500		64.4	78.9	82.2	83.0	83.0	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
≥ 3000		64.4	78.9	82.2	83.0	83.0	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
≥ 2500		65.9	80.4	84.1	84.8	84.8	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
≥ 2000		67.0	81.5	85.2	85.9	85.9	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3
≥ 1800		67.0	81.5	85.2	85.9	85.9	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3
≥ 1500		67.4	82.2	85.9	86.7	86.7	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0
≥ 1200		67.4	82.2	86.3	87.0	87.4	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8
≥ 1000		67.4	82.2	86.7	87.4	87.8	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1
≥ 900		68.5	83.3	87.8	88.5	88.9	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3
≥ 800		68.9	84.1	88.9	89.6	90.0	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4
≥ 700		68.9	84.8	90.0	90.7	91.1	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5
≥ 600		68.9	84.8	90.0	91.9	92.2	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6
≥ 500		68.9	85.9	92.6	94.8	95.2	95.6	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
≥ 400		68.9	85.9	93.3	95.6	95.9	96.3	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
≥ 300		68.9	85.9	93.3	95.6	95.9	96.3	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
≥ 200		68.9	85.9	93.3	95.6	95.9	96.3	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
≥ 100		68.9	85.9	93.3	95.6	95.9	96.3	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
≥ 0		68.9	85.9	93.3	95.6	95.9	96.3	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7

TOTAL NUMBER OF OBSERVATIONS 270

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/TAC

# CEILING VERSUS VISIBILITY

42213 TAI-CHING TAIWAN/CHING CHUAN KANG 69-71

SEP

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1960-2000

CEILING FEET	VISIBILITY - STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.9	≥.8	≥.75	≥.7	≥.6	≥.5
NO CEILING		27.8	38.9	42.6	44.8	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2
≥ 20000		38.1	51.5	55.9	58.1	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5
≥ 18000		38.1	51.5	55.9	58.1	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5
≥ 16000		38.1	51.5	55.9	58.1	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5
≥ 14000		38.1	51.5	55.9	58.1	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5
≥ 12000		38.9	52.6	58.5	60.7	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1
≥ 10000		42.2	58.1	64.4	67.0	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
≥ 9000		42.2	58.1	64.4	67.0	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
≥ 8000		47.4	64.4	70.7	73.3	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7
≥ 7000		50.0	67.4	73.7	76.7	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
≥ 6000		50.0	67.4	73.7	76.7	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
≥ 5000		50.0	67.8	74.1	77.4	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1
≥ 4500		50.0	67.8	74.1	77.4	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1
≥ 4000		50.7	68.5	75.2	78.5	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3
≥ 3500		50.7	68.5	75.2	78.5	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3
≥ 3000		51.1	68.9	75.6	78.9	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6
≥ 2500		51.1	69.3	75.9	79.3	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
≥ 2000		51.5	69.6	77.0	81.1	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
≥ 1800		51.5	69.6	77.0	81.1	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
≥ 1500		51.5	70.0	77.4	81.5	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2
≥ 1200		51.5	70.0	78.1	82.2	83.0	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
≥ 1000		52.2	71.5	80.0	84.1	84.8	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
≥ 900		52.2	71.9	80.4	84.4	85.2	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6
≥ 800		52.2	71.9	80.7	84.8	85.6	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9
≥ 700		52.2	71.9	80.7	84.8	85.6	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9
≥ 600		52.2	72.2	81.5	87.0	88.5	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9
≥ 500		53.3	73.3	83.0	89.3	90.7	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1
≥ 400		53.3	73.3	83.3	90.4	91.9	92.2	93.3	93.7	94.1	94.1	94.1	94.1	94.1	94.1	94.1
≥ 300		53.3	73.3	83.3	91.1	92.6	93.0	95.2	95.6	95.9	96.7	96.7	97.0	97.0	97.0	97.0
≥ 200		53.3	73.3	83.3	91.1	92.6	93.0	95.6	97.0	97.8	98.9	98.9	99.3	99.3	99.3	99.3
≥ 100		53.3	73.3	83.3	91.1	92.6	93.0	95.6	97.0	98.1	99.3	99.3	100.0	100.0	100.0	100.0
≥ 0		53.3	73.3	83.3	91.1	92.6	93.0	95.6	97.0	98.1	99.3	99.3	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 270

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/AC

# CEILING VERSUS VISIBILITY

4221 STATION TAI-CHING TAIWAN/CHING CHUAN KANG 69-71

2100-2300

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.5	≥0.25	≥0.1	≥0.05	≥0.025	≥0.01	≥0
NO CEILING		25.6	39.3	44.1	47.4	50.4	51.1	51.9	51.9	52.2	52.6	52.6	52.6	52.6	52.6	52.6
≥ 20000		31.1	45.2	51.1	55.6	58.5	59.3	60.4	60.4	60.7	61.1	61.1	61.1	61.1	61.1	61.1
≥ 18000		31.1	45.2	51.1	55.6	58.5	59.3	60.4	60.4	60.7	61.1	61.1	61.1	61.1	61.1	61.1
≥ 16000		31.1	45.2	51.1	55.6	58.5	59.3	60.4	60.4	60.7	61.1	61.1	61.1	61.1	61.1	61.1
≥ 14000		31.1	45.2	51.1	55.6	58.5	59.3	60.4	60.4	60.7	61.1	61.1	61.1	61.1	61.1	61.1
≥ 12000		31.5	45.6	51.9	56.3	59.3	60.0	61.1	61.1	61.5	61.9	61.9	61.9	61.9	61.9	61.9
≥ 10000		35.2	50.4	56.7	62.2	65.2	66.3	67.4	67.4	67.8	68.1	68.1	68.1	68.1	68.1	68.1
≥ 9000		35.3	51.5	57.8	63.3	66.3	67.4	68.5	68.5	68.9	69.3	69.3	69.3	69.3	69.3	69.3
≥ 8000		38.5	54.1	60.4	65.9	69.3	70.4	71.5	71.5	71.9	72.2	72.2	72.2	72.2	72.2	72.2
≥ 7000		41.9	58.5	64.8	70.4	73.7	74.8	75.9	75.9	76.3	76.7	76.7	76.7	76.7	76.7	76.7
≥ 6000		42.2	58.9	65.2	70.7	74.1	75.2	76.3	76.3	76.7	77.0	77.0	77.0	77.0	77.0	77.0
≥ 5000		42.6	59.3	66.7	72.2	75.6	76.7	77.8	77.8	78.1	78.5	78.5	78.5	78.5	78.5	78.5
≥ 4500		42.6	59.3	66.7	72.2	75.6	76.7	77.8	77.8	78.1	78.5	78.5	78.5	78.5	78.5	78.5
≥ 4000		42.6	59.3	66.7	72.2	75.6	76.7	77.8	77.8	78.1	78.5	78.5	78.5	78.5	78.5	78.5
≥ 3500		42.6	59.3	66.7	72.2	75.6	76.7	77.8	77.8	78.1	78.5	78.5	78.5	78.5	78.5	78.5
≥ 3000		42.6	59.3	67.0	72.6	75.9	77.0	78.1	78.1	78.5	78.9	78.9	78.9	78.9	78.9	78.9
≥ 2500		42.6	59.6	67.4	73.7	77.0	78.1	79.3	79.3	79.6	80.0	80.0	80.0	80.0	80.0	80.0
≥ 2000		42.6	59.6	68.1	75.6	79.6	80.7	81.9	81.9	82.2	82.6	82.6	82.6	82.6	82.6	82.6
≥ 1800		42.6	59.6	68.1	75.6	79.6	80.7	81.9	81.9	82.2	82.6	82.6	82.6	82.6	82.6	82.6
≥ 1500		42.6	59.6	68.1	75.6	79.6	80.7	81.9	81.9	82.2	82.6	82.6	82.6	82.6	82.6	82.6
≥ 1200		43.0	60.0	69.6	77.0	81.1	82.2	83.3	83.3	83.7	84.1	84.1	84.1	84.1	84.1	84.1
≥ 1000		44.4	61.5	71.1	78.5	82.6	83.7	84.8	84.8	85.2	85.6	85.6	85.6	85.6	85.6	85.6
≥ 900		44.4	61.5	71.1	78.5	82.6	83.7	84.8	84.8	85.2	85.6	85.6	85.6	85.6	85.6	85.6
≥ 800		45.6	62.6	72.2	79.6	83.7	84.8	85.9	85.9	86.3	86.7	86.7	86.7	86.7	86.7	86.7
≥ 700		45.6	62.6	72.2	79.6	83.7	84.8	85.9	85.9	86.3	86.7	86.7	86.7	86.7	86.7	86.7
≥ 600		45.6	62.6	72.6	80.4	85.6	86.7	88.5	88.5	88.9	89.3	89.3	89.3	89.3	89.3	89.3
≥ 500		45.9	63.0	73.0	81.1	86.3	87.8	90.7	90.7	92.2	92.6	92.6	92.6	92.6	92.6	92.6
≥ 400		45.9	63.0	73.0	81.1	86.3	87.8	90.7	90.7	92.2	92.6	92.6	92.6	92.6	92.6	92.6
≥ 300		46.3	63.7	73.7	82.2	87.4	89.6	93.3	93.3	95.2	95.6	95.6	95.6	95.6	95.6	95.6
≥ 200		46.3	63.7	73.7	82.2	87.4	89.6	94.1	94.1	97.0	98.5	98.5	98.5	98.5	98.5	98.5
≥ 100		46.3	63.7	74.1	82.6	87.8	90.0	94.4	94.4	97.8	99.3	99.3	100.0	100.0	100.0	100.0
≥ 0		46.3	63.7	74.1	82.6	87.8	90.0	94.4	94.4	97.8	99.3	99.3	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 270



DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

4221R  
STATION

TAI-CHUNG TAIWAN/CHING CHUAN KANG 69-71  
STATION NAME

YEARS

101  
MONTHS

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0000-0200  
HOURS

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/8	≥ 1/16	≥ 0
NO CEILING		27.2	35.1	38.0	41.2	41.6	41.6	41.9	42.3	43.4	43.7	43.7	43.7	43.7	43.7	44.4
≥ 20000		27.6	35.8	39.1	42.7	43.0	43.7	44.1	44.4	45.5	45.9	45.9	45.9	45.9	46.2	47.7
≥ 18000		27.6	35.8	39.1	42.7	43.0	43.7	44.1	44.4	45.5	45.9	45.9	45.9	45.9	46.2	47.7
≥ 16000		27.6	35.8	39.1	42.7	43.0	43.7	44.1	44.4	45.5	45.9	45.9	45.9	45.9	46.2	47.7
≥ 14000		27.6	35.8	39.1	42.7	43.0	43.7	44.1	44.4	45.5	45.9	45.9	45.9	45.9	46.2	47.7
≥ 12000		29.0	37.3	41.6	45.2	45.5	46.2	46.6	47.0	48.0	48.4	48.4	48.4	48.4	48.7	50.2
≥ 10000		34.8	44.1	48.4	53.0	53.8	55.2	55.6	55.9	57.0	57.3	57.3	57.3	57.3	57.7	59.1
≥ 9000		34.8	44.1	48.4	53.0	53.8	55.2	55.6	55.9	57.0	57.3	57.3	57.3	57.3	57.7	59.1
≥ 8000		43.7	53.0	58.4	63.1	64.5	65.9	66.3	66.7	67.7	68.1	68.1	68.1	68.1	68.5	69.9
≥ 7000		43.2	54.5	59.9	64.5	65.9	67.4	67.7	68.1	69.2	69.5	69.5	69.5	69.5	69.9	71.3
≥ 6000		46.2	55.6	60.9	65.9	67.4	69.2	69.5	69.9	71.0	71.3	71.3	71.3	71.3	71.7	73.1
≥ 5000		46.2	57.0	62.4	67.4	68.8	70.6	71.0	71.3	72.4	72.8	72.8	72.8	72.8	73.1	74.6
≥ 4500		46.2	57.0	62.4	67.4	68.8	70.6	71.0	71.3	72.4	72.8	72.8	72.8	72.8	73.1	74.6
≥ 4000		47.7	58.4	63.8	68.8	70.3	72.0	72.8	73.1	74.2	74.6	74.6	74.6	74.6	74.9	76.3
≥ 3500		48.0	59.1	64.5	69.5	71.0	72.8	73.5	73.8	74.9	75.3	75.3	75.3	75.3	75.6	77.1
≥ 3000		48.0	59.1	64.5	69.5	71.0	72.8	73.5	73.8	74.9	75.3	75.3	75.3	75.3	75.6	77.1
≥ 2500		48.4	59.5	65.2	70.3	71.7	73.5	74.2	74.6	75.6	76.0	76.0	76.0	76.0	76.3	77.8
≥ 2000		49.1	60.2	65.9	71.7	73.1	75.6	76.3	76.7	77.8	78.1	78.1	78.1	78.1	78.5	79.9
≥ 1800		49.1	60.2	65.9	71.7	73.1	75.6	76.3	76.7	77.8	78.1	78.1	78.1	78.1	78.5	79.9
≥ 1500		49.1	60.6	66.3	72.0	73.5	76.0	77.1	77.4	78.5	78.9	78.9	78.9	78.9	79.2	80.6
≥ 1200		52.3	63.8	69.5	75.3	77.1	79.6	80.6	81.0	82.1	82.4	82.4	82.4	82.4	82.8	84.2
≥ 1000		54.5	66.3	72.0	77.8	79.6	82.4	83.5	84.2	85.3	85.7	85.7	85.7	85.7	86.0	87.5
≥ 900		55.6	67.4	73.1	78.9	80.6	83.5	84.6	85.3	86.4	86.7	86.7	86.7	86.7	87.1	88.5
≥ 800		56.6	68.5	74.2	79.9	81.7	85.3	86.4	87.1	88.2	88.5	88.5	88.5	88.9	89.2	90.7
≥ 700		57.0	68.8	74.9	81.4	83.5	87.5	88.5	89.2	90.3	90.7	90.7	90.7	91.0	91.4	92.8
≥ 600		57.3	69.2	75.3	81.7	83.9	87.8	89.2	90.0	91.0	91.4	91.4	91.4	91.8	92.1	93.5
≥ 500		57.3	69.2	75.3	81.7	84.2	88.2	90.3	91.0	92.1	92.5	92.5	92.5	92.8	93.2	94.6
≥ 400		57.3	69.2	75.6	82.8	85.3	89.2	91.4	92.5	93.5	93.9	93.9	93.9	94.3	94.6	96.1
≥ 300		57.3	69.2	75.6	82.8	85.3	89.2	91.4	92.5	93.5	93.9	93.9	93.9	94.3	94.6	96.4
≥ 200		57.3	69.2	75.6	82.8	85.3	89.2	91.4	92.5	93.5	93.9	93.9	93.9	94.3	94.6	96.4
≥ 100		57.3	69.2	75.6	82.8	85.3	89.2	91.4	92.5	93.5	93.9	93.9	93.9	94.3	94.6	96.4
≥ 0		57.3	69.2	75.6	82.8	85.3	89.2	91.4	92.5	93.5	93.9	93.9	93.9	94.3	94.6	96.4

TOTAL NUMBER OF OBSERVATIONS

279

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

42218 TAI-CHUNG TAIWAN/CHING CHUAN KANG 69-71

CT  
V

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0300-0500

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.9	≥.8	≥.7	≥.6	≥.5	≥0
NO CEILING		28.7	33.3	36.9	39.1	40.5	41.6	43.4	43.4	45.2	45.2	45.2	46.2	47.0	47.0	49.5
≥ 20000		29.4	34.4	38.0	40.9	42.3	43.4	45.2	45.2	47.0	47.0	47.0	48.0	48.7	48.7	51.6
≥ 18000		29.4	34.4	38.0	40.9	42.3	43.4	45.2	45.2	47.0	47.0	47.0	48.0	48.7	48.7	51.6
≥ 16000		29.4	34.4	38.0	40.9	42.3	43.4	45.2	45.2	47.0	47.0	47.0	48.0	48.7	48.7	51.6
≥ 14000		29.4	34.4	38.0	40.9	42.3	43.4	45.2	45.2	47.0	47.0	47.0	48.0	48.7	48.7	51.6
≥ 12000		29.7	35.1	38.7	41.9	43.7	44.8	46.6	46.6	48.4	48.4	48.4	49.5	50.2	50.2	53.0
≥ 10000		36.9	43.0	46.6	50.2	52.7	53.8	55.6	55.6	57.3	57.3	57.3	58.4	59.1	59.1	62.0
≥ 9000		36.9	43.0	46.6	50.2	52.7	53.8	55.6	55.6	57.3	57.3	57.3	58.4	59.1	59.1	62.0
≥ 8000		44.1	50.5	55.2	59.9	62.7	64.2	65.9	66.3	68.1	68.1	68.1	69.2	69.9	69.9	72.8
≥ 7000		45.9	53.0	58.1	62.7	65.6	67.0	68.8	69.2	71.0	71.0	71.0	72.0	72.8	72.8	75.6
≥ 6000		45.9	53.4	58.4	63.1	65.9	67.4	69.2	69.5	71.3	71.3	71.3	72.4	73.1	73.1	76.0
≥ 5000		46.6	54.8	60.6	65.6	68.8	70.3	72.0	72.4	74.2	74.2	74.2	75.3	76.0	76.0	78.9
≥ 4500		46.6	54.8	60.6	65.6	68.8	70.3	72.0	72.4	74.2	74.2	74.2	75.3	76.0	76.0	78.9
≥ 4000		47.0	55.2	60.9	65.9	69.2	70.6	72.4	72.8	74.6	74.6	74.6	75.6	76.3	76.3	79.2
≥ 3500		47.0	55.2	60.9	65.9	69.2	70.6	72.4	72.8	74.6	74.6	74.6	75.6	76.3	76.3	79.2
≥ 3000		49.1	57.3	63.1	68.1	71.3	72.8	74.6	74.9	76.7	76.7	76.7	77.8	78.5	78.5	81.4
≥ 2500		49.1	57.3	64.2	69.2	72.4	73.8	75.6	76.0	77.8	77.8	77.8	78.9	79.6	79.6	82.4
≥ 2000		49.5	57.7	64.5	69.5	72.8	75.3	77.1	77.4	79.2	79.2	79.2	80.3	81.0	81.0	83.9
≥ 1800		49.5	57.7	64.5	69.5	72.8	75.3	77.1	77.4	79.2	79.2	79.2	80.3	81.0	81.0	83.9
≥ 1500		49.8	58.1	64.9	69.9	73.1	75.6	77.4	77.8	79.6	79.6	79.6	80.6	81.4	81.4	84.2
≥ 1200		51.6	59.9	66.7	71.7	74.9	78.1	79.9	80.3	82.1	82.1	82.1	83.2	83.9	83.9	86.7
≥ 1000		54.8	63.4	70.6	76.0	79.2	82.4	84.2	84.6	86.4	86.4	86.4	87.5	88.2	88.2	91.0
≥ 900		55.2	63.8	71.0	76.3	79.6	82.8	84.6	84.9	86.7	86.7	86.7	88.2	88.9	88.9	91.8
≥ 800		56.3	65.2	72.4	77.8	81.0	84.6	86.4	86.7	88.5	88.5	88.5	90.3	91.0	91.0	93.9
≥ 700		56.3	65.2	72.4	77.8	81.0	84.9	86.7	87.1	88.9	88.9	88.9	90.7	91.4	91.4	94.3
≥ 600		56.3	65.2	72.4	77.8	81.0	84.9	86.7	87.1	88.9	88.9	88.9	90.7	91.4	91.4	94.3
≥ 500		56.3	65.2	72.4	77.8	81.0	84.9	86.7	87.1	88.9	88.9	88.9	90.7	91.4	91.4	94.3
≥ 400		56.3	65.2	73.1	78.9	82.1	86.0	87.8	88.2	90.0	90.0	90.0	91.8	92.5	92.5	95.3
≥ 300		56.3	65.2	73.1	78.9	82.1	86.7	88.5	89.2	91.0	91.0	91.0	92.8	93.9	93.9	96.8
≥ 200		56.3	65.2	73.1	78.9	82.1	86.7	88.5	89.2	91.0	91.0	91.0	92.8	93.9	94.3	97.5
≥ 100		56.3	65.2	73.1	78.9	82.1	86.7	88.5	89.2	91.0	91.0	91.0	92.8	93.9	94.3	100.0
≥ 0		56.3	65.2	73.1	78.9	82.1	86.7	88.5	89.2	91.0	91.0	91.0	92.8	93.9	94.3	100.0

TOTAL NUMBER OF OBSERVATIONS

279

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/TAC

# CEILING VERSUS VISIBILITY

42218 STATION TAI-CHUNG TAIWAN/CHING CHUAN KANG 69-71

0600-0800  
PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1.5	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1	≥ 0
NO CEILING		20.8	27.2	29.7	31.9	34.1	34.8	35.8	36.6	37.6	37.6	38.0	38.4	38.4	38.7	39.4
≥ 20000		21.9	29.0	31.9	34.4	36.6	37.3	38.7	40.1	41.6	41.6	41.9	42.3	42.3	42.7	43.4
≥ 18000		21.9	29.0	31.9	34.4	36.6	37.3	38.7	40.1	41.6	41.6	41.9	42.3	42.3	42.7	43.4
≥ 16000		21.9	29.0	31.9	34.4	36.6	37.3	38.7	40.1	41.6	41.6	41.9	42.3	42.3	42.7	43.4
≥ 14000		21.9	29.0	31.9	34.4	36.6	37.3	38.7	40.1	41.6	41.6	41.9	42.3	42.3	42.7	43.4
≥ 12000		23.7	30.8	34.1	36.9	39.1	39.8	41.9	43.4	44.8	44.8	45.2	45.9	45.9	46.2	47.3
≥ 10000		30.1	40.1	44.1	47.7	50.9	51.6	54.1	55.6	57.0	57.0	57.3	58.1	58.1	58.4	59.5
≥ 9000		30.1	40.1	44.1	47.7	50.9	51.6	54.1	55.6	57.0	57.0	57.3	58.1	58.1	58.4	59.5
≥ 8000		39.8	50.5	55.9	60.6	64.2	65.6	69.5	71.3	73.1	73.1	73.5	74.2	74.2	74.6	75.6
≥ 7000		43.0	53.8	59.9	64.5	68.5	69.9	73.8	75.6	77.4	77.4	77.8	78.5	78.5	78.9	79.9
≥ 6000		43.7	54.5	60.6	65.2	69.2	70.6	74.6	76.3	78.1	78.1	78.5	79.2	79.2	79.6	80.6
≥ 5000		43.7	54.5	60.6	65.2	69.2	70.6	74.6	76.3	78.1	78.1	78.5	79.2	79.2	79.6	80.6
≥ 4500		43.7	54.5	60.6	65.2	69.2	70.6	74.6	76.3	78.1	78.1	78.5	79.2	79.2	79.6	80.6
≥ 4000		43.7	54.5	60.6	65.2	69.2	70.6	74.6	76.3	78.1	78.1	78.5	79.2	79.2	79.6	80.6
≥ 3500		43.7	54.5	60.6	65.2	69.2	70.6	74.6	76.3	78.1	78.1	78.5	79.2	79.2	79.6	80.6
≥ 3000		43.7	54.5	60.6	65.2	69.2	70.6	74.6	76.3	78.1	78.1	78.5	79.2	79.2	79.6	80.6
≥ 2500		46.2	57.7	64.2	68.8	73.1	74.9	79.2	81.0	83.5	83.5	84.2	84.9	84.9	85.3	86.4
≥ 2000		46.2	57.7	64.2	68.8	73.1	74.9	79.2	81.0	83.5	83.5	84.2	84.9	84.9	85.3	86.4
≥ 1800		46.2	57.7	64.2	68.8	73.1	74.9	79.2	81.0	83.5	83.5	84.2	84.9	84.9	85.3	86.4
≥ 1500		47.0	58.4	64.9	69.5	73.8	75.6	79.9	81.7	84.6	84.6	85.3	86.4	86.4	86.7	87.8
≥ 1200		47.3	59.1	65.6	71.0	75.3	77.4	81.7	83.5	86.4	86.4	87.1	87.5	88.2	88.2	89.6
≥ 1000		47.3	59.1	65.6	71.0	75.3	77.4	81.7	83.5	86.4	86.4	87.1	87.5	88.2	88.2	89.6
≥ 900		49.5	61.3	67.7	73.1	77.4	79.6	83.9	85.7	88.9	88.9	89.6	90.0	90.7	90.7	91.0
≥ 800		49.5	61.3	67.7	73.1	77.4	79.6	83.9	85.7	88.9	88.9	89.6	90.0	90.7	90.7	91.0
≥ 700		49.8	61.6	69.2	74.9	79.2	81.4	85.7	87.5	90.7	90.7	91.4	91.8	92.5	92.5	93.9
≥ 600		49.8	61.6	69.2	74.9	79.2	81.4	85.7	87.5	90.7	90.7	91.4	91.8	92.5	92.5	93.9
≥ 500		50.2	62.0	69.5	75.2	79.6	81.7	86.0	87.8	91.0	91.0	91.8	92.1	93.2	93.2	94.6
≥ 400		50.9	62.7	70.3	76.0	80.3	82.4	86.7	88.5	91.8	91.8	92.5	92.9	93.9	93.9	95.3
≥ 300		50.9	62.7	70.3	76.0	80.3	82.4	86.7	88.5	91.8	91.8	92.5	92.9	93.9	93.9	95.3
≥ 200		50.9	62.7	70.3	76.0	80.3	82.4	86.7	88.5	91.8	91.8	92.5	92.9	93.9	93.9	95.3
≥ 100		50.9	62.7	70.3	76.0	80.3	82.4	86.7	88.5	91.8	91.8	92.5	92.9	93.9	93.9	95.3
≥ 0		50.9	62.7	70.3	76.0	80.3	82.4	86.7	88.5	91.8	91.8	92.5	92.9	93.9	93.9	95.3

TOTAL NUMBER OF OBSERVATIONS 279

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

42218 STATION TAI-CHING TAIWAN/CHING CHUAN KANG 69-71

LC

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0900-1100  
HOURS

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/8	≥ 1/16	≥ 0
NO CEILING		29.0	34.4	39.1	43.0	44.8	47.0	47.0	47.0	47.3	47.3	47.3	47.3	47.3	47.3	47.3
≥ 20000		31.9	38.4	45.9	50.9	52.7	54.8	54.8	54.8	55.2	55.2	55.2	55.2	55.2	55.2	55.2
≥ 18000		31.9	38.4	45.9	50.9	52.7	54.8	54.8	54.8	55.2	55.2	55.2	55.2	55.2	55.2	55.2
≥ 16000		31.9	38.4	45.9	50.9	52.7	54.8	54.8	54.8	55.2	55.2	55.2	55.2	55.2	55.2	55.2
≥ 14000		32.6	39.1	46.6	51.6	53.4	55.6	55.6	55.6	55.9	55.9	55.9	55.9	55.9	55.9	55.9
≥ 12000		34.4	41.2	48.7	53.8	55.9	58.4	58.8	58.8	59.1	59.1	59.1	59.1	59.1	59.1	59.1
≥ 10000		43.7	55.2	63.8	68.8	71.3	73.8	74.2	74.2	74.6	74.6	74.6	74.6	74.6	74.6	74.6
≥ 9000		44.1	55.6	64.2	69.2	71.7	74.2	74.6	74.6	74.9	74.9	74.9	74.9	74.9	74.9	74.9
≥ 8000		47.3	58.8	67.4	72.4	75.6	78.1	78.9	78.9	79.2	79.2	79.2	79.2	79.2	79.2	79.2
≥ 7000		48.4	60.2	69.3	74.9	78.1	80.6	81.4	81.4	81.7	81.7	81.7	81.7	81.7	81.7	81.7
≥ 6000		48.4	60.6	69.9	75.3	78.9	81.0	81.7	81.7	82.1	82.1	82.1	82.1	82.1	82.1	82.1
≥ 5000		48.4	60.6	69.9	75.3	78.9	81.4	82.1	82.1	82.4	82.4	82.4	82.4	82.4	82.4	82.4
≥ 4500		48.7	60.9	70.6	76.0	79.6	82.1	82.8	82.8	83.2	83.2	83.2	83.2	83.2	83.2	83.2
≥ 4000		48.7	61.3	71.0	76.3	79.9	82.4	83.2	83.2	83.5	83.5	83.5	83.5	83.5	83.5	83.5
≥ 3500		49.5	62.0	71.7	77.1	80.6	83.2	83.9	83.9	84.2	84.2	84.2	84.2	84.2	84.2	84.2
≥ 3000		49.5	62.0	72.0	77.8	81.4	83.9	84.6	84.6	84.9	84.9	84.9	84.9	84.9	84.9	84.9
≥ 2500		49.5	62.0	72.0	79.2	82.8	85.3	86.4	86.4	86.7	86.7	86.7	86.7	86.7	86.7	86.7
≥ 2000		49.5	62.4	72.4	79.6	83.2	85.7	86.7	86.7	87.1	87.1	87.1	87.1	87.1	87.1	87.1
≥ 1800		49.5	62.4	72.4	79.6	83.2	85.7	86.7	86.7	87.1	87.1	87.1	87.1	87.1	87.1	87.1
≥ 1500		49.8	62.7	72.8	80.6	84.2	86.7	87.8	87.8	88.2	88.2	88.2	88.2	88.2	88.2	88.2
≥ 1200		49.8	63.1	73.1	81.7	85.7	88.2	89.2	89.2	89.6	89.6	89.6	89.6	89.6	89.6	89.6
≥ 1000		52.7	66.3	76.3	84.9	88.9	91.4	92.5	92.5	92.8	92.8	92.8	92.8	92.8	92.8	92.8
≥ 900		52.7	66.7	76.7	85.3	89.2	91.8	92.8	92.8	93.2	93.2	93.2	93.2	93.2	93.2	93.2
≥ 800		52.7	68.5	79.2	87.8	91.8	94.3	95.3	95.3	95.7	95.7	95.7	95.7	95.7	95.7	95.7
≥ 700		52.7	68.5	79.9	88.5	92.5	95.0	96.1	96.1	96.4	96.4	96.4	96.4	96.4	96.4	96.4
≥ 600		52.7	68.5	79.9	88.5	92.5	95.0	96.1	96.1	96.4	96.4	96.4	96.4	96.4	96.4	96.4
≥ 500		53.8	70.3	82.1	91.0	95.0	97.5	98.6	98.6	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥ 400		54.1	71.0	83.2	92.1	96.1	98.6	99.6	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300		54.1	71.0	83.2	92.1	96.1	98.6	99.6	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200		54.1	71.0	83.2	92.1	96.1	98.6	99.6	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100		54.1	71.0	83.2	92.1	96.1	98.6	99.6	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0		54.1	71.0	83.2	92.1	96.1	98.6	99.6	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 279

2

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/AC

# CEILING VERSUS VISIBILITY

42215 TAI-CHUNG TAIWAN/CHING CHUAN KANG 69-71

STATION

STATION NAME

YEARS

C1

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1200-1400  
HOURS (EST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1.4	≥ 1	≥ .5	≥ .4	≥ .3	≥ .25	≥ .2	≥ 0
NO CEILING		37.6	46.2	50.5	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4
≥ 20000		42.3	51.3	57.3	60.6	60.9	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
≥ 18000		42.3	51.3	57.3	60.6	60.9	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
≥ 16000		43.0	52.0	58.1	61.3	61.6	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0
≥ 14000		43.4	52.7	58.8	62.0	62.4	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7
≥ 12000		47.0	56.3	62.7	65.9	66.7	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0
≥ 10000		54.1	65.6	73.8	77.1	78.5	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9
≥ 9000		54.5	66.3	74.6	77.8	79.2	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6
≥ 8000		58.8	72.0	80.6	83.9	85.3	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7
≥ 7000		59.9	73.1	81.7	85.3	86.7	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
≥ 6000		60.6	74.6	83.2	86.7	88.2	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5
≥ 5000		60.6	74.6	83.2	86.7	88.2	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5
≥ 4500		60.6	74.6	83.9	87.5	88.9	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2
≥ 4000		60.6	74.6	83.9	87.5	88.9	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2
≥ 3500		60.6	74.6	83.9	87.5	88.9	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2
≥ 3000		60.6	74.9	84.2	88.2	89.6	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
≥ 2500		60.6	74.9	84.6	88.5	90.0	90.3	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7
≥ 2000		60.6	75.6	85.3	89.2	90.7	91.0	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4
≥ 1800		60.6	75.6	85.3	89.2	90.7	91.0	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4
≥ 1500		60.9	76.3	86.0	90.0	91.8	92.1	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5
≥ 1200		60.9	76.3	86.4	90.3	92.1	92.5	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8
≥ 1000		61.6	77.4	87.8	91.8	93.5	93.9	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
≥ 900		61.6	77.4	87.8	91.8	93.5	93.9	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
≥ 800		62.0	78.5	89.2	93.2	95.0	95.3	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
≥ 700		62.0	78.5	89.2	93.2	95.0	95.3	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
≥ 600		62.0	78.5	89.2	93.2	95.0	95.3	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
≥ 500		63.1	79.6	90.3	95.3	97.1	97.5	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
≥ 400		64.2	80.6	91.4	96.4	98.2	98.6	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥ 300		64.2	80.6	91.4	96.8	98.6	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200		64.2	80.6	91.4	96.8	98.6	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100		64.2	80.6	91.4	96.8	98.6	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0		64.2	80.6	91.4	96.8	98.6	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 279

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

4221R TAI-CHUNG TAIWAN/CHING CHUAN KANG 69-71

CT  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1500-1700  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING		40.5	50.2	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3
≥ 20000		43.7	55.6	59.5	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6
≥ 18000		43.7	55.6	59.5	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6
≥ 16000		43.7	55.6	59.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9
≥ 14000		44.4	56.3	60.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6
≥ 12000		48.4	60.2	65.2	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3
≥ 10000		58.8	72.0	78.1	79.6	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9
≥ 9000		58.8	72.0	78.1	79.6	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9
≥ 8000		63.8	77.4	84.2	86.7	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
≥ 7000		65.9	79.6	86.7	89.2	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6
≥ 6000		66.7	80.3	87.5	90.0	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
≥ 5000		66.7	80.3	87.5	90.0	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
≥ 4500		66.7	80.3	87.5	90.0	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
≥ 4000		66.7	80.3	87.5	90.0	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
≥ 3500		66.7	80.3	87.5	90.0	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
≥ 3000		67.0	80.6	87.8	90.3	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7
≥ 2500		67.0	80.6	87.8	90.3	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7
≥ 2000		67.0	81.0	88.2	90.7	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
≥ 1800		67.0	81.0	88.2	90.7	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
≥ 1500		67.0	82.1	89.2	91.8	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1
≥ 1200		67.4	83.2	90.3	92.6	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2
≥ 1000		68.1	84.2	91.8	94.3	94.6	95.0	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
≥ 900		68.1	84.2	91.8	94.3	94.6	95.0	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
≥ 800		68.1	84.2	91.8	94.3	94.6	95.0	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
≥ 700		68.1	84.2	91.8	94.3	94.6	95.0	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
≥ 600		68.5	84.6	92.1	94.6	95.0	95.3	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
≥ 500		69.5	86.0	93.9	97.1	97.5	97.8	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
≥ 400		70.6	87.1	95.3	98.9	99.3	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 300		70.6	87.1	95.3	98.9	99.3	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200		70.6	87.1	95.3	98.9	99.3	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100		70.6	87.1	95.3	98.9	99.3	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0		70.6	87.1	95.3	98.9	99.3	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 279

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

4221P STATION TAI-CHUNG TAIWAN/CHING CHUAN KANG 69-71

YEARS MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1600-2000  
HOURS LST

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING		31.9	40.1	44.8	47.3	48.0	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1
≥ 20000		31.9	41.6	47.7	50.5	52.3	53.4	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1
≥ 18000		31.9	41.6	47.7	50.5	52.3	53.4	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1
≥ 16000		31.9	41.6	47.7	50.5	52.3	53.4	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1
≥ 14000		32.6	43.0	49.5	52.3	54.1	55.2	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9
≥ 12000		33.7	44.1	50.5	53.4	55.2	56.3	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0
≥ 10000		43.4	55.2	63.8	67.7	69.5	70.6	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
≥ 9000		43.4	55.2	63.8	67.7	69.5	70.6	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
≥ 8000		49.1	63.1	72.4	78.1	79.9	81.0	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7
≥ 7000		51.6	65.9	76.3	82.1	83.9	84.9	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7
≥ 6000		52.0	66.3	76.7	82.4	84.2	85.3	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0
≥ 5000		52.7	67.0	77.4	83.2	84.9	86.0	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7
≥ 4500		52.7	67.0	77.4	83.2	84.9	86.0	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7
≥ 4000		53.8	68.1	78.5	84.2	86.0	87.1	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8
≥ 3500		53.8	68.1	78.5	84.2	86.0	87.1	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8
≥ 3000		53.8	68.1	78.5	84.2	86.0	87.1	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8
≥ 2500		54.1	68.5	78.9	84.6	86.4	87.5	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2
≥ 2000		54.1	68.5	78.9	84.6	86.4	87.5	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2
≥ 1800		54.1	68.5	78.9	84.6	86.4	87.5	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2
≥ 1500		54.1	68.5	78.9	84.6	86.4	87.5	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2
≥ 1200		54.5	69.2	79.6	85.3	87.1	88.2	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9
≥ 1000		56.6	71.7	82.1	87.8	89.6	90.7	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4
≥ 900		57.3	72.8	83.2	88.9	90.7	92.1	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8
≥ 800		57.7	73.1	83.5	89.2	91.0	92.5	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2
≥ 700		57.7	73.5	83.9	89.6	91.4	92.8	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5
≥ 600		57.7	73.5	84.6	90.7	92.5	93.9	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6
≥ 500		59.1	74.9	86.7	92.8	94.6	96.1	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 400		59.5	75.3	88.2	94.3	96.1	97.5	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 300		59.5	75.3	88.2	94.3	96.1	97.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 200		59.5	75.3	88.2	94.3	96.1	97.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100		59.5	75.3	88.2	94.3	96.1	97.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0		59.5	75.3	88.2	94.3	96.1	97.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 279

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

42218 TAI-CHUNG TAIWAN/CHING CHUAN KANG 69-71

101

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

2100-2300  
HOURS (EST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.5	≥0.25	≥0.15	≥0.1	≥0.05	≥0.025	≥0
NO CEILING		34.1	42.7	45.9	49.5	51.3	53.4	54.8	55.9	56.3	56.6	56.6	56.6	56.6	56.6	56.6
≥ 20000		34.4	43.4	48.0	53.0	55.2	58.1	59.5	60.6	60.9	61.3	61.3	61.3	61.3	61.3	61.3
≥ 18000		34.4	43.4	48.0	53.0	55.2	58.1	59.5	60.6	60.9	61.3	61.3	61.3	61.3	61.3	61.3
≥ 16000		34.4	43.4	48.0	53.0	55.2	58.1	59.5	60.6	60.9	61.3	61.3	61.3	61.3	61.3	61.3
≥ 14000		34.8	43.7	48.7	53.8	55.9	58.8	60.2	61.3	61.6	62.0	62.0	62.0	62.0	62.0	62.0
≥ 12000		35.1	44.1	49.1	54.1	56.3	59.1	60.6	61.6	62.0	62.4	62.4	62.4	62.4	62.4	62.4
≥ 10000		40.5	50.9	55.9	62.0	64.5	67.4	69.2	70.3	70.6	71.0	71.0	71.0	71.0	71.0	71.0
≥ 9000		40.5	50.9	55.9	62.0	64.5	67.4	69.2	70.3	70.6	71.0	71.0	71.0	71.0	71.0	71.0
≥ 8000		47.0	59.1	64.5	71.0	73.5	76.3	78.1	79.2	79.6	79.9	79.9	79.9	79.9	79.9	79.9
≥ 7000		49.1	61.3	66.7	73.1	75.6	78.5	80.3	81.4	81.7	82.1	82.1	82.1	82.1	82.1	82.1
≥ 6000		50.5	62.7	68.1	74.6	77.1	79.9	81.7	82.8	83.2	83.5	83.5	83.5	83.5	83.5	83.5
≥ 5000		52.0	64.2	69.5	76.0	78.5	81.4	83.2	84.2	84.6	84.9	84.9	84.9	84.9	84.9	84.9
≥ 4500		52.0	64.2	69.5	76.0	78.5	81.4	83.2	84.2	84.6	84.9	84.9	84.9	84.9	84.9	84.9
≥ 4000		53.0	65.6	71.0	77.4	79.9	82.8	84.6	85.7	86.0	86.4	86.4	86.4	86.4	86.4	86.4
≥ 3500		53.0	65.6	71.0	77.4	79.9	82.8	84.6	85.7	86.0	86.4	86.4	86.4	86.4	86.4	86.4
≥ 3000		53.0	65.6	71.0	77.4	79.9	82.8	84.6	85.7	86.0	86.4	86.4	86.4	86.4	86.4	86.4
≥ 2500		54.8	67.4	72.8	79.2	81.7	84.6	86.4	87.5	87.8	88.2	88.2	88.2	88.2	88.2	88.2
≥ 2000		54.8	67.4	72.8	79.2	81.7	84.6	86.4	87.5	87.8	88.2	88.2	88.2	88.2	88.2	88.2
≥ 1800		54.8	67.4	72.8	79.2	81.7	84.6	86.4	87.5	87.8	88.2	88.2	88.2	88.2	88.2	88.2
≥ 1500		54.8	67.4	72.8	79.2	81.7	84.6	86.4	87.5	87.8	88.2	88.2	88.2	88.2	88.2	88.2
≥ 1200		56.3	68.8	74.2	81.0	83.9	86.7	89.2	90.3	90.7	91.0	91.0	91.0	91.0	91.0	91.0
≥ 1000		58.1	70.6	76.0	82.8	85.7	88.5	91.0	92.1	92.5	92.8	92.8	92.8	92.8	92.8	92.8
≥ 900		59.1	71.7	77.1	83.9	86.7	89.6	92.1	93.2	93.5	93.9	93.9	93.9	93.9	93.9	93.9
≥ 800		60.2	72.8	78.1	84.9	87.8	90.7	93.2	94.3	94.6	95.0	95.0	95.0	95.0	95.0	95.0
≥ 700		60.6	73.1	78.5	85.3	88.2	91.0	93.5	94.6	95.0	95.3	95.3	95.3	95.3	95.3	95.3
≥ 600		60.6	73.1	78.5	85.3	88.2	91.0	93.5	94.6	95.0	95.3	95.3	95.3	95.3	95.3	95.3
≥ 500		61.3	73.8	79.9	87.1	91.0	93.9	96.4	97.5	97.8	98.2	98.2	98.2	98.2	98.2	98.2
≥ 400		61.3	73.8	81.0	88.2	92.1	95.0	97.5	98.6	98.9	99.3	99.3	99.3	99.3	99.3	99.3
≥ 300		61.3	73.8	81.0	88.2	92.1	95.0	98.2	99.3	99.6	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200		61.3	73.8	81.0	88.2	92.1	95.0	98.2	99.3	99.6	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100		61.3	73.8	81.0	88.2	92.1	95.0	98.2	99.3	99.6	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0		61.3	73.8	81.0	88.2	92.1	95.0	98.2	99.3	99.6	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 279



DATA PROCESSING DIVISION  
SAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

42218 TAI-CHUNG TAIWAN/CHING CHUAN KANG 69-71

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0000-0200

CEILING FEET	VISIBILITY (STATUTE MILES)														
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.5	≥0.25	≥0.1	≥0.05	≥0.01	≥0
NO CEILING		34.8	38.9	44.4	47.8	50.0	54.1	54.4	54.4	54.8	54.8	54.8	54.8	54.8	54.8
≥ 20000		35.9	40.0	45.6	48.9	51.9	55.9	56.3	56.3	56.7	56.7	56.7	56.7	56.7	56.7
≥ 18000		35.9	40.0	45.6	48.9	51.9	55.9	56.3	56.3	56.7	56.7	56.7	56.7	56.7	56.7
≥ 16000		35.9	40.0	45.6	48.9	51.9	55.9	56.3	56.3	56.7	56.7	56.7	56.7	56.7	56.7
≥ 14000		35.9	40.0	45.6	48.9	51.9	55.9	56.3	56.3	56.7	56.7	56.7	56.7	56.7	56.7
≥ 12000		36.3	40.4	45.9	49.3	52.2	56.3	56.7	56.7	57.0	57.0	57.0	57.0	57.0	57.0
≥ 10000		41.9	46.3	51.9	55.6	58.5	63.3	63.7	63.7	64.1	64.1	64.1	64.1	64.1	64.1
≥ 9000		42.6	47.0	52.6	56.3	59.3	64.1	64.4	64.4	64.8	64.8	64.8	64.8	64.8	64.8
≥ 8000		49.3	54.1	59.6	64.8	67.8	73.3	73.7	73.7	74.1	74.1	74.1	74.1	74.1	74.1
≥ 7000		51.5	56.3	61.9	68.1	71.1	76.7	77.0	77.0	77.4	77.4	77.4	77.4	77.4	77.4
≥ 6000		51.9	56.7	62.2	68.5	71.5	77.0	77.4	77.4	77.8	77.8	77.8	77.8	77.8	77.8
≥ 5000		56.3	61.5	67.0	73.3	76.3	81.9	82.2	82.2	82.6	82.6	82.6	82.6	82.6	82.6
≥ 4500		56.3	61.5	67.0	73.3	76.3	81.9	82.2	82.2	82.6	82.6	82.6	82.6	82.6	82.6
≥ 4000		57.0	62.2	67.8	74.1	77.4	83.3	83.7	83.7	84.1	84.1	84.1	84.1	84.1	84.1
≥ 3500		57.8	63.0	68.5	74.8	78.1	84.1	84.4	84.4	84.8	84.8	84.8	84.8	84.8	84.8
≥ 3000		58.9	64.1	69.6	75.9	79.3	85.2	85.6	85.6	85.9	85.9	85.9	85.9	85.9	85.9
≥ 2500		60.4	65.6	71.1	77.4	80.7	86.7	87.0	87.0	87.4	87.4	87.4	87.4	87.4	87.4
≥ 2000		60.7	65.9	71.5	77.8	81.1	87.0	87.4	87.4	87.8	87.8	87.8	87.8	87.8	87.8
≥ 1800		60.7	65.9	71.5	77.8	81.1	87.0	87.4	87.4	87.8	87.8	87.8	87.8	87.8	87.8
≥ 1500		62.2	67.8	73.3	79.6	83.0	88.9	89.3	89.3	89.6	89.6	89.6	89.6	89.6	89.6
≥ 1200		62.2	67.8	73.3	79.6	83.0	88.9	89.3	89.3	90.4	90.4	90.4	90.4	90.4	90.4
≥ 1000		63.3	68.9	74.4	80.7	84.1	90.0	90.4	90.4	91.5	91.5	91.5	91.5	91.5	91.5
≥ 900		63.7	69.3	74.8	81.1	84.8	91.5	91.9	91.9	93.0	93.0	93.0	93.0	93.0	93.0
≥ 800		64.8	70.4	75.9	82.6	86.3	93.0	93.3	93.3	94.4	94.4	94.4	94.4	94.4	94.4
≥ 700		64.8	70.4	75.9	82.6	87.0	93.7	94.1	94.1	95.2	95.2	95.2	95.2	95.2	95.2
≥ 600		65.2	70.7	76.3	83.0	87.8	94.4	94.8	94.8	95.9	95.9	95.9	95.9	95.9	95.9
≥ 500		65.9	71.5	77.0	84.8	89.6	96.3	97.4	97.4	98.5	98.5	98.5	98.5	98.5	98.5
≥ 400		65.9	71.5	77.0	84.8	89.6	96.3	97.4	97.4	98.5	98.5	98.5	98.5	98.5	98.5
≥ 300		65.9	71.5	77.0	84.8	90.0	97.4	98.9	98.9	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200		65.9	71.5	77.0	84.8	90.0	97.4	98.9	98.9	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100		65.9	71.5	77.0	84.8	90.0	97.4	98.9	98.9	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0		65.9	71.5	77.0	84.8	90.0	97.4	98.9	98.9	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 270

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

42213 STATION TAI-CHUNG TAIWAN/CHING CHUAN KANG 69-71

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0200-0500  
HOURS LST

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING		35.2	40.7	47.0	49.0	52.2	53.0	53.7	54.1	54.8	54.8	54.8	54.8	54.8	54.8	55.2
≥ 20000		35.6	41.1	48.1	51.5	54.1	54.8	55.6	55.9	56.7	56.7	56.7	56.7	56.7	56.7	57.0
IV 18000		35.6	41.1	48.1	51.5	54.1	54.8	55.6	55.9	56.7	56.7	56.7	56.7	56.7	56.7	57.0
IV 16000		35.6	41.1	48.1	51.5	54.1	54.8	55.6	55.9	56.7	56.7	56.7	56.7	56.7	56.7	57.0
IV 14000		35.6	41.1	48.1	51.5	54.1	54.8	55.6	55.9	56.7	56.7	56.7	56.7	56.7	56.7	57.0
IV 12000		35.6	41.1	48.9	52.2	54.8	55.6	56.3	56.7	57.4	57.4	57.4	57.4	57.4	57.4	57.8
IV 10000		41.5	47.0	54.8	58.1	60.7	61.5	62.2	62.6	63.3	63.3	63.3	63.3	63.3	63.3	63.7
IV 9000		41.5	47.0	54.8	58.1	60.7	61.5	62.2	62.6	63.3	63.3	63.3	63.3	63.3	63.3	63.7
IV 8000		50.4	57.8	65.6	69.6	72.2	73.0	73.7	74.1	74.8	74.8	74.8	74.8	74.8	74.8	75.2
IV 7000		53.3	61.1	68.9	73.0	75.6	76.3	77.0	77.4	78.1	78.1	78.1	78.1	78.1	78.1	78.5
IV 6000		53.7	61.5	69.3	73.3	75.9	76.7	77.4	77.8	78.5	78.5	78.5	78.5	78.5	78.5	78.9
IV 5000		55.6	63.3	71.1	75.2	77.8	78.5	79.3	79.6	80.4	80.4	80.4	80.4	80.4	80.4	80.7
IV 4500		56.3	64.1	71.9	75.9	78.5	79.3	80.0	80.4	81.1	81.1	81.1	81.1	81.1	81.1	81.5
IV 4000		56.7	64.4	72.2	77.0	79.6	80.4	81.1	81.5	82.2	82.2	82.2	82.2	82.2	82.2	82.6
IV 3500		57.0	64.8	73.3	78.5	81.1	81.9	82.6	83.0	83.7	83.7	83.7	83.7	83.7	83.7	84.1
IV 3000		57.8	65.6	74.1	79.3	82.2	83.0	83.7	84.1	84.8	84.8	84.8	84.8	84.8	84.8	85.2
IV 2500		58.9	66.7	75.2	80.4	83.3	84.1	84.8	85.2	85.9	85.9	85.9	85.9	85.9	85.9	86.3
IV 2000		59.3	67.0	75.6	80.7	83.7	84.4	85.2	85.6	86.3	86.3	86.3	86.3	86.3	86.3	86.7
IV 1800		59.3	67.0	75.6	80.7	83.7	84.4	85.2	85.6	86.3	86.3	86.3	86.3	86.3	86.3	86.7
IV 1500		60.7	68.5	77.0	82.2	85.2	85.9	86.7	87.0	87.8	87.8	87.8	87.8	87.8	87.8	88.1
IV 1200		62.2	70.0	78.5	83.7	86.7	87.4	88.9	89.3	91.1	91.1	91.1	91.1	91.1	91.1	91.5
IV 1000		64.1	71.9	80.4	85.6	88.5	89.3	90.7	91.1	93.0	93.0	93.0	93.0	93.0	93.0	93.3
IV 900		64.1	71.9	80.4	85.6	88.5	89.3	90.7	91.1	93.0	93.0	93.0	93.0	93.0	93.0	93.3
IV 800		65.2	73.3	82.6	87.8	90.7	91.5	93.0	93.3	95.2	95.2	95.2	95.2	95.2	95.2	95.6
IV 700		65.2	73.7	83.3	88.5	91.5	92.2	94.1	94.4	96.3	96.3	96.3	96.3	96.3	96.3	96.7
IV 600		65.2	73.7	83.3	88.5	91.5	92.2	94.1	94.4	96.3	96.3	96.3	96.3	96.3	96.3	96.7
IV 500		65.9	74.4	84.4	89.6	92.6	93.3	95.2	95.6	97.4	97.4	97.4	97.4	97.4	97.4	97.8
IV 400		65.9	74.4	84.4	90.4	93.3	94.1	95.9	96.3	98.1	98.1	98.1	98.1	98.1	98.1	98.5
IV 300		65.9	74.4	84.4	90.7	94.1	94.8	96.7	97.0	98.9	98.9	98.9	98.9	98.9	98.9	99.3
IV 200		65.9	74.4	84.4	90.7	94.1	94.8	96.7	97.0	98.9	98.9	98.9	98.9	98.9	98.9	99.3
IV 100		65.9	74.4	84.4	90.7	94.1	94.8	96.7	97.0	98.9	98.9	98.9	98.9	98.9	98.9	100.0
IV 0		65.9	74.4	84.4	90.7	94.1	94.8	96.7	97.0	98.9	98.9	98.9	98.9	98.9	98.9	100.0

TOTAL NUMBER OF OBSERVATIONS 270

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

4221P  
STATION

TAI-CHING TAIWAN/CHING CHUAN KANG 69-71  
STATION NAME

YEARS

19

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0000-0500

CEILING FEET	VISIBILITY (STATUTE MILES)														
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥.5	≥.25	≥.1	≥.05	≥.01	≥0
NO CEILING		25.9	32.0	38.5	43.0	44.4	45.2	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9
≥ 20000		28.9	35.6	41.9	47.0	48.9	50.0	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7
IV 18000		28.9	35.6	41.9	47.0	48.9	50.0	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7
IV 16000		28.9	35.6	41.9	47.0	48.9	50.0	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7
IV 14000		28.9	35.6	41.9	47.0	48.9	50.0	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7
IV 12000		29.3	35.9	43.7	48.9	50.7	51.9	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6
IV 10000		32.2	39.3	47.0	53.3	55.2	56.3	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0
IV 9000		32.2	39.3	47.0	53.3	55.6	56.7	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4
≥ 8000		42.2	51.9	59.6	66.3	68.1	70.0	71.5	71.5	71.5	71.9	71.9	71.9	71.9	71.9
IV 7000		43.7	54.4	63.0	69.6	71.5	73.3	74.8	74.8	74.8	75.2	75.2	75.2	75.2	75.2
IV 6000		44.4	55.9	64.4	71.1	73.0	74.8	76.3	76.3	76.3	76.7	76.7	76.7	76.7	76.7
IV 5000		45.9	57.8	66.3	73.0	74.8	76.7	78.1	78.1	78.1	78.5	78.5	78.5	78.5	78.5
IV 4500		46.7	58.5	67.0	73.7	75.6	77.4	78.9	78.9	78.9	79.3	79.3	79.3	79.3	79.3
IV 4000		48.1	60.4	69.3	77.4	80.4	82.2	84.1	84.1	84.1	84.4	84.4	84.4	84.4	84.4
IV 3500		48.1	60.4	69.3	77.4	80.4	82.2	84.1	84.1	84.1	84.4	84.4	84.4	84.4	84.4
IV 3000		50.0	62.2	71.1	79.3	82.2	84.1	85.9	85.9	85.9	86.3	86.3	86.3	86.3	86.3
IV 2500		50.4	63.0	71.9	80.0	83.0	84.8	86.7	86.7	86.7	87.0	87.0	87.0	87.0	87.0
IV 2000		51.1	63.7	72.6	80.7	83.7	85.6	87.4	87.4	87.4	87.8	87.8	87.8	87.8	87.8
IV 1800		51.5	64.1	73.0	81.1	84.1	85.9	87.8	87.8	87.8	88.1	88.1	88.1	88.1	88.1
IV 1500		52.2	64.8	73.7	81.9	84.8	86.7	88.5	88.5	88.5	88.9	88.9	88.9	88.9	88.9
IV 1200		53.3	65.9	74.8	83.0	85.9	87.8	90.0	90.0	90.0	90.4	90.4	90.4	90.4	90.4
IV 1000		54.1	66.7	75.6	84.1	87.0	88.9	91.1	91.1	91.1	91.5	91.5	91.5	91.5	91.5
IV 900		54.8	67.8	76.7	85.2	88.1	90.0	92.2	92.2	92.2	92.6	92.6	92.6	92.6	92.6
IV 800		55.6	68.9	78.1	86.7	89.6	91.5	93.7	93.7	93.7	94.1	94.1	94.1	94.1	94.1
IV 700		57.0	70.4	80.4	89.3	92.6	94.4	96.7	96.7	96.7	97.0	97.0	97.0	97.0	97.0
IV 600		57.0	70.4	80.4	89.3	92.6	94.4	96.7	96.7	96.7	97.0	97.0	97.0	97.0	97.0
IV 500		58.5	71.9	81.9	90.7	94.1	95.9	98.1	98.1	98.1	98.5	98.5	98.5	98.5	98.5
IV 400		58.5	71.9	81.9	91.1	94.4	96.3	98.5	98.5	98.5	98.9	98.9	98.9	98.9	98.9
IV 300		58.5	71.9	81.9	91.1	94.4	96.3	98.5	98.5	98.5	98.9	98.9	98.9	98.9	98.9
IV 200		58.5	71.9	81.9	91.1	94.4	96.3	98.5	98.5	98.5	98.9	98.9	98.9	98.9	98.9
IV 100		58.5	71.9	81.9	91.1	94.4	96.3	98.5	98.5	98.5	98.9	98.9	98.9	98.9	98.9
IV 0		58.5	71.9	81.9	91.1	94.4	96.3	98.5	98.5	98.5	98.9	98.9	98.9	99.3	100.0

TOTAL NUMBER OF OBSERVATIONS 270

ATA PROCESSING DIVISION  
SAP ETAC  
AIR WEATHER SERVICE/TAC

# CEILING VERSUS VISIBILITY

4221 TAI-CHUNG TAIWAN/CHING CHUAN KANG 09-71

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0900-1100

CEILING FEET	VISIBILITY, STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1.4	≥ 1.3	≥ 1.2	≥ 1.1	≥ 1.0	≥ 0.9	≥ 0.8	≥ 0.7
NO CEILING		33.3	42.0	48.9	53.3	54.8	55.0	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6
≥ 23000		36.7	40.3	52.6	57.8	59.3	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4
≥ 18000		36.7	46.3	52.6	57.8	59.3	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4
≥ 16000		36.7	46.3	52.6	57.8	59.3	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4
≥ 14000		37.4	47.0	53.3	58.5	60.0	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1
≥ 12000		38.5	48.1	54.4	59.0	61.1	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2
≥ 10000		43.7	53.7	60.4	65.0	67.0	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1
≥ 9000		44.8	54.8	61.5	66.7	68.1	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3
≥ 8000		50.4	61.1	69.3	75.2	76.7	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1
≥ 7000		52.6	63.7	72.6	78.5	80.0	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5
≥ 6000		53.7	65.2	74.1	80.0	81.5	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0
≥ 5000		54.8	66.7	76.3	82.2	83.7	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
≥ 4500		54.8	66.7	76.3	82.2	83.7	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
≥ 4000		55.9	67.8	78.9	85.2	86.7	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1
≥ 3500		55.9	67.8	78.9	85.2	86.7	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1
≥ 3000		55.9	67.8	78.9	85.2	86.7	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1
≥ 2500		55.9	68.1	79.3	85.0	87.0	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5
≥ 2000		55.9	68.1	79.3	85.0	87.4	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9
≥ 1800		56.3	68.5	79.6	85.9	87.8	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3
≥ 1600		56.3	68.5	79.6	85.9	87.8	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3
≥ 1400		57.0	69.6	80.7	87.0	88.9	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4
≥ 1200		57.4	70.4	83.7	90.4	92.2	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7
≥ 1000		57.8	70.7	84.1	90.7	92.6	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1
≥ 900		59.3	72.6	85.9	93.7	95.6	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
≥ 800		61.5	75.2	88.5	96.3	98.1	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 700		61.5	75.2	88.5	96.3	98.1	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 600		61.9	75.6	88.9	96.7	98.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500		61.9	75.6	88.9	96.7	98.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400		61.9	75.6	88.9	96.7	98.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300		61.9	75.6	88.9	96.7	98.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200		61.9	75.6	88.9	96.7	98.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100		61.9	75.6	88.9	96.7	98.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0		61.9	75.6	88.9	96.7	98.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 270

DATA PROCESSING DIVISION  
SAFETAC  
AIR WEATHER SERVICE/AAC

# CEILING VERSUS VISIBILITY

4221 TAI-CHUNG TAIWAN/CHING CHUAN KANG 09-71

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1200-1400

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ .5	≥ .3	≥ .2	≥ .1	≥ .05	≥ .03	≥ .01
NO CEILING		44.1	49.3	55.6	56.7	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4
≥ 20000		48.9	55.2	62.2	63.7	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8
≥ 18000		48.9	55.2	62.2	63.7	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8
≥ 16000		48.9	55.2	62.2	63.7	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8
≥ 14000		48.9	55.2	62.2	63.7	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8
≥ 12000		50.4	57.4	64.8	66.3	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
≥ 10000		54.4	62.6	70.0	71.5	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6
≥ 9000		55.6	63.7	71.1	72.6	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7
≥ 8000		60.0	71.1	79.3	81.1	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2
≥ 7000		62.2	74.1	83.0	84.8	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9
≥ 6000		63.3	75.2	84.1	85.9	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0
≥ 5000		64.4	76.7	86.7	88.5	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6
≥ 4500		64.4	76.7	86.7	88.5	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6
≥ 4000		65.2	77.4	87.8	89.6	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7
≥ 3500		66.3	78.5	88.9	90.7	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9
≥ 3000		67.0	79.3	89.6	91.5	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6
≥ 2500		67.0	79.3	89.6	91.5	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6
≥ 2000		67.0	79.6	90.0	91.9	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0
≥ 1800		68.1	80.7	91.1	93.0	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1
≥ 1500		68.1	80.7	91.1	93.0	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1
≥ 1200		68.1	80.7	91.1	93.0	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1
≥ 1000		68.1	81.1	91.5	93.3	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4
≥ 900		69.6	82.6	93.0	94.8	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
≥ 800		70.7	83.7	94.4	96.7	97.8	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 700		72.2	85.6	96.3	98.5	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600		72.2	85.6	96.3	98.5	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500		72.2	85.6	96.3	98.5	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400		72.2	85.6	96.3	98.5	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300		72.2	85.6	96.3	98.5	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200		72.2	85.6	96.3	98.5	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100		72.2	85.6	96.3	98.5	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0		72.2	85.6	96.3	98.5	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 270

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

42215 TAI-CHUNG TAIWAN/CHING CHUAN KANG 69-71

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1500-1700

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1.0	≥ 0.5	≥ 0.25	≥ 0.15	≥ 0.1	≥ 0.05	≥ 0.025	≥ 0
NO CEILING		43.0	49.0	51.1	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9
≥ 20000		48.5	57.0	58.5	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3
≥ 18000		48.5	57.4	58.9	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6
≥ 16000		48.5	57.4	58.9	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6
≥ 14000		48.5	58.1	59.6	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4
≥ 12000		51.1	61.1	62.6	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3
≥ 10000		56.3	67.4	68.9	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6
≥ 9000		57.8	68.9	70.4	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1
≥ 8000		65.6	77.4	80.0	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
≥ 7000		68.5	80.7	83.3	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1
≥ 6000		69.6	82.6	85.2	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9
≥ 5000		70.0	83.0	85.6	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3
≥ 4500		70.0	83.0	85.6	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3
≥ 4000		70.0	83.7	86.3	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0
≥ 3500		70.7	84.4	87.0	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8
≥ 3000		71.5	85.2	87.8	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5
≥ 2500		71.5	85.2	87.8	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5
≥ 2000		71.5	85.2	87.8	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5
≥ 1800		72.2	85.9	88.5	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3
≥ 1500		73.0	86.7	89.3	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
≥ 1200		73.7	87.8	90.7	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5
≥ 1000		73.7	88.9	92.2	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7
IV 900		75.2	90.4	93.7	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2
IV 800		75.6	91.1	94.8	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
IV 700		75.9	91.9	96.3	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
IV 600		75.9	91.9	96.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
IV 500		75.9	91.9	96.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
IV 400		75.9	91.9	96.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
IV 300		75.9	91.9	97.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 200		75.9	91.9	97.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 100		75.9	91.9	97.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 0		75.9	91.9	97.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 270

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

42219 STATION TAI-CHUNG TAIWAN/CHING CHUAN KANG 69-71

NOV

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1800-2000

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ .5	≥ .5	≥ .5	≥ .5	≥ .5	≥ .5	≥ .5
NO CEILING		34.1	46.3	48.1	50.0	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4
≥ 20000		34.8	46.5	50.7	53.0	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3
≥ 18000		34.8	48.5	50.7	53.0	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3
≥ 16000		34.8	48.5	50.7	53.0	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3
≥ 14000		34.8	48.9	51.1	53.3	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7
≥ 12000		37.0	52.2	54.4	56.7	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0
≥ 10000		43.0	58.9	61.1	63.3	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7
≥ 9000		45.2	61.1	63.3	65.6	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9
≥ 8000		56.3	74.1	77.0	80.0	80.4	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
≥ 7000		57.8	75.6	78.5	81.5	81.9	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2
≥ 6000		57.8	75.6	78.5	81.5	81.9	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2
≥ 5000		58.9	76.7	79.6	82.6	83.0	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
≥ 4500		58.9	76.7	79.6	82.6	83.0	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
≥ 4000		59.3	77.0	80.0	83.0	83.3	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7
≥ 3500		60.7	78.5	81.5	84.4	84.8	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
≥ 3000		61.5	79.3	82.2	85.2	85.6	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9
≥ 2500		61.9	79.6	82.6	85.6	85.9	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3
≥ 2000		62.2	80.0	83.0	85.9	86.3	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7
≥ 1800		62.2	80.0	83.0	85.9	86.3	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7
≥ 1500		63.0	80.7	83.7	86.7	87.0	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4
≥ 1200		63.7	81.5	84.8	87.8	88.1	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5
≥ 1000		64.8	83.0	86.7	90.7	91.1	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5
≥ 900		66.3	84.4	88.1	92.2	92.6	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0
≥ 800		67.8	85.9	90.0	94.1	94.4	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
≥ 700		67.8	85.9	90.7	94.8	95.6	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
≥ 600		68.1	86.7	92.2	96.3	97.4	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 500		68.5	87.4	93.0	97.0	98.5	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 400		68.5	87.8	93.7	97.8	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300		68.5	87.8	93.7	97.8	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200		68.5	87.8	93.7	97.8	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100		68.5	87.8	93.7	97.8	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0		68.5	87.8	93.7	97.8	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 270

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/PAC

# CEILING VERSUS VISIBILITY

42218 TAI-CHUNG TAIWAN/CHUNG CHUAN KANG 69-71

2100-2300  
HOURS

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY, STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1.4	≥ 1	≥ .9	≥ .8	≥ .75	≥ .7	≥ .6	≥ 0
NO CEILING		33.9	45.6	48.5	52.0	54.4	57.4	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8
≥ 20000		35.7	46.3	49.3	53.7	55.6	58.5	58.9	58.9	59.3	59.3	59.3	59.3	59.3	59.3	59.3
≥ 18000		36.7	46.3	49.3	53.7	55.6	58.5	58.9	58.9	59.3	59.3	59.3	59.3	59.3	59.3	59.3
≥ 16000		36.7	46.3	49.3	53.7	55.6	58.5	58.9	58.9	59.3	59.3	59.3	59.3	59.3	59.3	59.3
≥ 14000		36.7	46.3	49.3	53.7	55.6	58.5	58.9	58.9	59.3	59.3	59.3	59.3	59.3	59.3	59.3
≥ 12000		38.1	48.1	51.1	55.6	57.4	60.4	60.7	60.7	61.1	61.1	61.1	61.1	61.1	61.1	61.1
≥ 10000		42.6	53.3	57.8	62.2	64.1	67.0	67.4	67.4	67.8	67.8	67.8	67.8	67.8	67.8	67.8
≥ 9000		44.4	55.9	60.4	64.8	66.7	69.6	70.0	70.0	70.4	70.4	70.4	70.4	70.4	70.4	70.4
≥ 8000		53.7	65.6	70.7	75.6	77.4	80.4	80.7	80.7	81.1	81.1	81.1	81.1	81.1	81.1	81.1
≥ 7000		55.2	67.0	72.6	77.4	79.3	82.2	82.6	82.6	83.0	83.0	83.0	83.0	83.0	83.0	83.0
≥ 6000		55.6	67.4	73.0	77.8	79.6	82.6	83.0	83.0	83.3	83.3	83.3	83.3	83.3	83.3	83.3
≥ 5000		57.8	69.6	75.2	80.0	81.9	84.8	85.2	85.2	85.6	85.6	85.6	85.6	85.6	85.6	85.6
≥ 4500		57.8	69.6	75.2	80.0	81.9	84.8	85.2	85.2	85.6	85.6	85.6	85.6	85.6	85.6	85.6
≥ 4000		57.8	69.6	75.2	80.0	81.9	84.8	85.2	85.2	85.6	85.6	85.6	85.6	85.6	85.6	85.6
≥ 3500		59.3	71.1	76.7	81.5	83.3	86.3	86.7	86.7	87.0	87.0	87.0	87.0	87.0	87.0	87.0
≥ 3000		59.3	71.1	76.7	81.9	84.1	87.0	87.4	87.4	87.8	87.8	87.8	87.8	87.8	87.8	87.8
≥ 2500		60.7	72.6	78.1	83.3	85.6	88.5	88.9	88.9	89.3	89.3	89.3	89.3	89.3	89.3	89.3
≥ 2000		60.7	72.6	78.1	83.3	85.6	88.5	88.9	88.9	89.3	89.3	89.3	89.3	89.3	89.3	89.3
≥ 1800		60.7	72.6	78.1	83.3	85.6	88.5	88.9	88.9	89.3	89.3	89.3	89.3	89.3	89.3	89.3
≥ 1500		60.7	72.6	78.1	83.3	85.6	88.5	88.9	88.9	89.3	89.3	89.3	89.3	89.3	89.3	89.3
≥ 1200		60.7	72.6	78.1	84.4	86.7	89.6	90.0	90.0	90.4	90.4	90.4	90.4	90.4	90.4	90.4
≥ 1000		62.2	74.1	79.6	85.9	88.1	91.1	91.5	91.5	91.9	91.9	91.9	91.9	91.9	91.9	91.9
≥ 900		63.3	75.2	80.7	87.0	89.3	92.2	92.6	92.6	93.0	93.0	93.0	93.0	93.0	93.0	93.0
≥ 800		64.8	76.7	82.2	88.5	90.7	93.7	94.1	94.1	94.4	94.4	94.4	94.4	94.4	94.4	94.4
≥ 700		65.6	77.4	83.3	89.6	93.0	95.9	96.3	96.3	96.7	96.7	96.7	96.7	96.7	96.7	96.7
≥ 600		66.7	78.9	84.8	91.1	94.4	97.4	97.8	97.8	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 500		67.4	80.0	85.9	92.2	95.9	98.9	99.3	99.3	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 400		67.4	80.0	85.9	92.2	95.9	98.9	99.3	99.3	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 300		67.4	80.0	85.9	92.2	95.9	98.9	99.3	99.3	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 200		67.4	80.0	85.9	92.2	95.9	98.9	99.3	99.3	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 100		67.4	80.0	85.9	92.2	95.9	98.9	99.3	99.3	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 0		67.4	80.0	85.9	92.2	95.9	98.9	99.3	99.3	99.6	99.6	99.6	99.6	99.6	99.6	99.6

TOTAL NUMBER OF OBSERVATIONS 270



2

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/HAC

# CEILING VERSUS VISIBILITY

42215  
STATION

TAI-CHING TAIWAN/CHING CHUAN KANG 69-71  
STATION NAME

YEARS

CEL  
MULTIPLY

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0000-0200  
HOURS LIST

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ .5	≥ .3	≥ .1	≥ .05	≥ .01	≥ .005	≥ 0
NO CEILING		17.9	21.5	24.1	26.3	28.5	28.5	28.8	29.6	29.9	29.9	29.9	29.9	30.3	30.3	32.1
≥ 20000		17.9	21.9	24.5	26.6	28.8	28.8	29.2	29.9	30.3	30.3	30.3	30.3	30.7	30.7	32.5
≥ 18000		17.9	21.9	24.5	26.6	28.8	28.8	29.2	29.9	30.3	30.3	30.3	30.3	30.7	30.7	32.5
≥ 16000		17.9	21.9	24.5	26.6	28.8	28.8	29.2	29.9	30.3	30.3	30.3	30.3	30.7	30.7	32.5
≥ 14000		17.9	21.9	24.8	27.0	29.2	29.2	29.9	30.7	31.0	31.0	31.0	31.0	31.4	31.4	33.2
≥ 12000		18.2	23.4	27.0	29.2	31.4	31.4	32.1	32.8	33.2	33.2	33.2	33.2	33.6	33.6	35.8
≥ 10000		22.3	27.7	31.8	33.9	36.1	36.1	36.9	37.6	38.0	38.0	38.0	38.0	38.3	38.3	40.9
≥ 9000		22.6	28.1	33.6	35.8	38.0	38.0	38.7	39.4	40.1	40.1	40.1	40.1	40.5	40.5	42.7
≥ 8000		33.6	39.4	48.9	52.9	57.3	57.7	60.2	60.9	61.7	61.7	61.7	61.7	62.0	62.0	64.2
≥ 7000		36.5	42.3	51.8	56.9	62.0	62.8	65.7	66.4	67.2	67.2	67.2	67.2	67.5	67.5	69.7
≥ 6000		37.2	43.1	52.6	57.7	62.8	64.2	67.2	67.9	68.6	68.6	68.6	68.6	69.0	69.0	71.2
≥ 5000		37.6	43.8	53.3	58.4	63.5	65.0	67.9	68.6	69.3	69.3	69.3	69.3	69.7	69.7	71.9
≥ 4500		37.6	43.8	53.3	58.4	63.5	65.0	67.9	68.6	69.3	69.3	69.3	69.3	69.7	69.7	71.9
≥ 4000		38.7	44.9	54.4	59.5	64.6	66.1	69.0	70.1	70.8	70.8	70.8	70.8	71.2	71.2	73.4
≥ 3500		39.1	45.3	54.7	59.9	65.0	66.4	69.3	70.4	71.2	71.2	71.2	71.2	71.5	71.5	73.7
≥ 3000		39.1	45.3	55.8	60.9	66.1	67.5	70.4	71.5	72.3	72.3	72.3	72.3	72.6	72.6	74.8
≥ 2500		39.4	45.6	56.2	61.3	66.4	67.9	70.8	71.9	72.6	72.6	72.6	72.6	73.0	73.0	75.2
≥ 2000		39.4	45.6	56.2	61.3	66.4	67.9	70.8	71.9	72.6	72.6	72.6	72.6	73.0	73.0	75.2
≥ 1800		39.4	45.6	56.2	61.3	66.4	67.9	70.8	71.9	72.6	72.6	72.6	72.6	73.0	73.0	75.2
≥ 1500		40.1	46.4	56.9	62.0	67.2	68.6	71.5	72.6	73.4	73.4	73.4	73.4	73.7	73.7	75.9
≥ 1200		40.5	47.4	58.0	63.5	68.6	70.1	73.0	74.1	74.8	74.8	74.8	74.8	75.2	75.2	77.4
≥ 1000		40.9	47.8	58.4	63.9	69.0	70.4	73.4	74.5	75.2	75.2	75.2	75.2	75.5	75.5	77.7
≥ 900		40.9	47.8	58.4	63.9	69.3	70.8	73.7	74.8	75.5	75.5	75.5	75.5	75.9	75.9	78.1
≥ 800		44.2	51.8	63.1	68.6	74.1	75.5	78.5	79.6	80.3	80.3	80.3	80.3	80.7	80.7	82.8
≥ 700		44.9	52.6	63.9	69.3	74.8	76.6	79.6	80.7	81.4	81.4	81.4	81.4	81.8	81.8	83.9
≥ 600		45.6	54.0	66.1	72.6	78.8	80.7	83.6	84.7	85.4	85.4	85.4	85.4	85.8	85.8	88.0
≥ 500		45.6	54.4	66.8	73.7	80.7	83.2	86.5	88.3	89.8	89.8	89.8	89.8	90.1	90.1	92.3
≥ 400		45.6	54.4	67.2	74.1	81.4	83.9	88.0	89.8	91.2	91.2	91.2	91.2	91.6	91.6	93.8
≥ 300		45.6	54.4	67.2	74.5	81.8	84.7	89.1	90.9	92.3	92.3	92.3	92.3	92.7	92.7	94.9
≥ 200		45.6	54.4	67.2	74.5	81.8	84.7	89.1	91.2	93.1	93.1	93.1	93.1	93.4	93.4	95.8
≥ 100		45.6	54.4	67.2	74.5	81.8	84.7	89.1	91.2	93.1	93.1	93.1	93.1	93.4	93.4	95.8
≥ 0		45.6	54.4	67.2	74.5	81.8	84.7	89.1	91.2	93.1	93.1	93.1	93.1	93.4	93.4	95.8

TOTAL NUMBER OF OBSERVATIONS 274

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

42215  
STATION

TAI-CHUNG TAIWAN/CHING CHUAN KANG 69-71  
STATION NAME

YEARS

WFC  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0300-0500  
HOURS

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1.4	≥ 1	≥ .5	≥ .4	≥ .3	≥ .25	≥ .2	≥ 0
NO CEILING		21.8	26.5	33.1	34.5	34.9	35.6	36.0	36.4	36.4	36.7	36.7	36.7	36.7	36.7	37.1
≥ 20000		21.8	26.9	33.5	34.9	35.3	36.0	36.4	36.7	36.7	37.1	37.1	37.1	37.1	37.1	37.5
≥ 18000		21.8	26.9	33.5	34.9	35.3	36.0	36.4	36.7	36.7	37.1	37.1	37.1	37.1	37.1	37.5
≥ 16000		21.8	26.9	33.5	34.9	35.3	36.0	36.4	36.7	36.7	37.1	37.1	37.1	37.1	37.1	37.5
≥ 14000		21.8	27.3	33.8	35.3	35.6	36.4	36.7	37.1	37.1	37.5	37.5	37.5	37.5	37.5	37.8
≥ 12000		22.2	27.6	34.2	35.6	36.0	36.7	37.1	37.5	37.5	37.8	37.8	37.8	37.8	37.8	38.2
≥ 10000		26.2	32.7	40.0	41.5	42.2	42.9	43.3	43.6	43.6	44.0	44.0	44.0	44.0	44.0	44.4
≥ 9000		26.5	33.1	41.5	42.9	43.6	44.4	44.7	45.1	45.1	45.5	45.5	45.5	45.5	45.5	45.8
≥ 8000		34.5	42.2	51.3	54.2	57.8	58.9	60.7	61.1	61.1	61.5	61.5	61.5	61.5	61.5	61.8
≥ 7000		36.4	44.0	54.2	57.5	61.1	62.2	64.0	64.4	64.4	64.7	64.7	65.1	65.1	65.1	65.5
≥ 6000		36.4	44.0	54.2	57.8	61.5	62.5	64.4	64.7	64.7	65.1	65.1	65.5	65.5	65.5	65.8
≥ 5000		38.2	46.9	57.1	60.7	64.4	65.5	67.3	67.6	67.6	68.0	68.0	68.4	68.4	68.4	68.7
≥ 4500		38.2	46.9	57.1	60.7	64.4	65.5	67.3	67.6	67.6	68.0	68.0	68.4	68.4	68.4	68.7
≥ 4000		38.2	46.9	57.1	61.8	65.5	66.5	68.4	68.7	68.7	69.1	69.1	69.5	69.5	69.5	69.8
≥ 3500		38.9	47.6	58.9	63.6	67.3	68.4	70.2	70.5	70.5	70.9	70.9	71.3	71.3	71.3	71.6
≥ 3000		40.0	48.7	60.0	64.7	68.4	69.5	71.3	71.6	71.6	72.0	72.0	72.4	72.4	72.4	72.7
≥ 2500		41.8	50.5	61.8	66.5	70.2	71.3	73.1	73.5	73.5	73.8	73.8	74.2	74.2	74.2	74.5
≥ 2000		41.8	50.5	61.8	66.5	70.2	71.3	73.1	73.5	73.5	73.8	73.8	74.2	74.2	74.2	74.5
≥ 1800		41.8	50.5	61.8	66.5	70.2	71.3	73.1	73.5	73.5	73.8	73.8	74.2	74.2	74.2	74.5
≥ 1500		41.8	50.5	61.8	66.9	70.5	72.0	73.8	74.2	74.2	74.5	74.5	74.9	74.9	74.9	75.3
≥ 1200		44.0	52.7	64.0	69.1	72.7	74.2	76.0	76.4	76.4	76.7	76.7	77.1	77.1	77.1	77.5
≥ 1000		44.7	53.5	64.7	69.8	73.5	74.9	76.7	77.1	77.1	77.5	77.5	77.8	77.8	77.8	78.2
≥ 900		45.1	53.8	65.1	70.2	73.8	75.3	77.1	77.5	77.5	77.8	77.8	78.2	78.2	78.2	78.5
≥ 800		48.0	56.7	68.4	73.5	77.5	78.9	81.1	81.5	81.5	81.8	81.8	82.2	82.2	82.2	82.5
≥ 700		49.8	58.9	70.5	75.6	79.6	81.1	83.3	83.6	83.6	84.0	84.0	84.4	84.4	84.4	84.7
≥ 600		52.0	61.1	73.1	78.9	84.0	85.5	87.6	88.0	88.4	88.7	88.7	89.5	89.5	89.5	89.8
≥ 500		52.0	61.5	73.5	79.3	84.4	87.6	89.8	90.5	91.6	92.0	92.0	92.7	92.7	92.7	93.1
≥ 400		52.0	61.5	73.5	79.3	85.5	90.5	92.7	93.5	94.5	94.9	94.9	95.6	95.6	96.0	96.4
≥ 300		52.0	61.5	73.5	79.3	85.5	90.5	93.5	94.2	95.6	96.0	96.0	96.7	97.1	97.1	97.5
≥ 200		52.0	61.5	73.5	79.3	85.5	90.5	93.5	94.9	96.7	97.5	97.5	98.5	99.3	99.3	100.0
≥ 100		52.0	61.5	73.5	79.3	85.5	90.5	93.5	94.9	96.7	97.5	97.5	98.5	99.3	99.3	100.0
≥ 0		52.0	61.5	73.5	79.3	85.5	90.5	93.5	94.9	96.7	97.5	97.5	98.5	99.3	99.3	100.0

TOTAL NUMBER OF OBSERVATIONS 275

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/HAC

# CEILING VERSUS VISIBILITY

42212  
STATION

TAI-CHUNG TAIWAN/CHING CHUAN KANG 69-71  
STATION NAME

YEARS

FC  
SCANT

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0000-0900  
PERCENT

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.5	≥0.25	≥0.15	≥0.1	≥0.05	≥0.025	≥0
NO CEILING		16.5	23.1	27.3	29.7	31.1	32.0	33.0	33.3	33.3	33.7	33.7	33.7	33.7	33.7	34.4
≥ 20000		16.5	23.4	28.2	30.0	31.5	33.0	33.3	33.7	33.7	34.1	34.1	34.1	34.1	34.1	34.9
≥ 18000		16.5	23.4	28.2	30.0	31.5	33.0	33.3	33.7	33.7	34.1	34.1	34.1	34.1	34.1	34.9
≥ 16000		16.5	23.4	28.2	30.0	31.5	33.0	33.3	33.7	33.7	34.1	34.1	34.1	34.1	34.1	34.9
≥ 14000		16.5	23.4	28.2	30.0	31.5	33.0	33.3	34.1	34.1	34.4	34.4	34.4	34.4	34.4	35.2
≥ 12000		17.2	24.9	29.7	31.5	33.0	34.4	34.8	35.5	35.5	35.9	35.9	35.9	35.9	35.9	36.6
≥ 10000		23.1	32.6	37.7	39.6	41.4	42.9	44.0	44.7	44.7	45.1	45.1	45.1	45.1	45.1	45.8
≥ 9000		23.4	34.1	39.6	41.4	43.2	44.7	45.8	46.5	46.5	46.9	46.9	46.9	46.9	46.9	47.6
≥ 8000		29.7	41.8	49.1	52.7	55.3	58.2	59.3	60.4	60.4	60.8	60.8	60.8	60.8	60.8	61.5
≥ 7000		32.2	44.3	53.1	58.2	61.2	64.1	65.2	66.3	66.3	67.0	67.0	67.0	67.0	67.0	67.8
≥ 6000		33.0	45.4	54.2	60.8	64.1	67.0	68.1	69.2	69.2	70.0	70.0	70.0	70.0	70.0	70.7
≥ 5000		34.8	48.4	57.1	63.7	67.0	70.3	71.4	72.5	72.5	73.3	73.3	73.3	73.3	73.3	74.0
≥ 4500		34.8	48.4	57.1	63.7	67.0	70.3	71.4	72.5	72.5	73.3	73.3	73.3	73.3	73.3	74.0
≥ 4000		36.6	50.2	59.0	65.9	69.2	72.5	73.6	74.7	74.7	75.5	75.5	75.5	75.5	75.5	76.2
≥ 3500		37.0	50.9	60.1	67.0	70.7	74.0	75.1	76.2	76.2	76.9	76.9	76.9	76.9	76.9	77.7
≥ 3000		37.0	50.9	60.1	67.4	71.4	74.7	75.8	76.9	76.9	77.7	77.7	77.7	77.7	77.7	78.4
≥ 2500		38.5	52.4	61.5	68.9	72.9	76.2	77.3	78.4	78.4	79.1	79.1	79.1	79.1	79.1	79.9
≥ 2000		38.5	52.4	61.5	68.9	72.9	76.2	77.3	78.4	78.4	79.1	79.1	79.1	79.1	79.1	79.9
≥ 1800		38.5	52.4	61.5	68.9	72.9	76.2	77.3	78.4	78.4	79.1	79.1	79.1	79.1	79.1	79.9
≥ 1500		38.5	52.4	61.5	68.9	72.9	76.2	77.3	78.4	78.4	79.1	79.1	79.1	79.1	79.1	79.9
≥ 1200		40.3	54.2	63.4	70.7	74.7	78.0	79.1	80.2	80.2	81.0	81.0	81.0	81.0	81.0	81.7
≥ 1000		40.7	54.6	63.7	71.1	75.1	78.4	79.5	80.6	80.6	81.3	81.3	81.3	81.3	81.3	82.4
≥ 900		42.1	56.4	65.6	72.9	76.9	80.2	81.3	82.4	82.4	83.2	83.2	83.2	83.2	83.2	84.2
≥ 800		44.3	59.0	68.1	75.5	79.5	82.8	84.2	85.3	85.3	86.1	86.1	86.1	86.1	86.1	87.2
≥ 700		45.8	60.4	69.6	77.3	81.3	84.6	86.1	87.2	87.2	87.9	87.9	87.9	87.9	87.9	89.0
≥ 600		46.2	61.2	70.3	78.4	82.8	86.4	87.9	89.0	89.0	89.7	89.7	89.7	89.7	89.7	90.8
≥ 500		46.2	61.9	71.1	79.1	83.5	87.5	89.0	90.1	90.1	90.8	90.8	90.8	90.8	90.8	91.2
≥ 400		46.2	61.9	71.4	79.9	84.6	88.6	90.5	91.9	91.9	92.7	92.7	92.7	92.7	92.7	93.0
≥ 300		46.2	61.9	71.4	79.9	84.6	89.0	91.2	93.4	93.4	94.5	94.5	94.5	94.5	94.5	96.7
≥ 200		46.2	61.9	71.4	79.9	84.6	89.0	91.2	93.8	93.8	95.6	95.6	95.6	95.6	95.6	98.9
≥ 100		46.2	61.9	71.4	79.9	84.6	89.0	91.2	93.8	93.8	95.6	95.6	95.6	95.6	95.6	100.0
≥ 0		46.2	61.9	71.4	79.9	84.6	89.0	91.2	93.8	93.8	95.6	95.6	95.6	95.6	95.6	100.0

TOTAL NUMBER OF OBSERVATIONS 273

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

42218 TAI-CHUNG TAIWAN/CHING CHUAN KANG 69-71

0900-1100  
HOURS (EST.)

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1.4	≥ 1	≥ .8	≥ .6	≥ .5	≥ .4	≥ .3	≥ 0
NO CEILING		22.3	31.5	37.0	41.0	41.4	41.0	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2
≥ 20000		22.7	32.6	38.1	42.1	42.5	42.9	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3
≥ 18000		22.7	32.6	38.1	42.1	42.5	42.9	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3
≥ 16000		22.7	32.6	38.1	42.1	42.5	42.9	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3
≥ 14000		23.4	33.3	38.8	42.9	43.2	43.6	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1
≥ 12000		24.9	35.2	41.0	45.1	45.4	45.8	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3
≥ 10000		27.8	39.6	46.2	52.7	54.2	55.7	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
≥ 9000		29.3	41.0	47.6	54.2	56.0	57.9	59.3	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
≥ 8000		35.9	48.4	56.8	65.2	67.4	69.6	71.1	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4
≥ 7000		38.8	52.0	61.2	69.6	71.8	74.0	75.5	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8
≥ 6000		40.3	54.6	64.1	72.9	75.1	77.3	78.8	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1
≥ 5000		41.4	55.7	65.2	74.0	76.2	78.8	80.2	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6
≥ 4500		42.5	56.8	66.3	75.1	77.3	79.9	81.3	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7
≥ 4000		42.5	56.8	66.3	75.1	77.3	79.9	81.3	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7
≥ 3500		42.5	57.1	66.7	75.5	77.7	80.2	81.7	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1
≥ 3000		42.5	57.1	66.7	75.5	77.7	80.2	81.7	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1
≥ 2500		44.0	58.6	68.1	76.9	79.1	81.7	83.2	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5
≥ 2000		44.3	59.0	68.5	77.3	79.5	82.1	83.5	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
≥ 1800		44.3	59.0	68.5	77.3	79.5	82.1	83.5	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
≥ 1500		44.3	59.0	68.5	77.3	79.5	82.1	83.5	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
≥ 1200		44.7	59.3	68.9	77.7	79.9	82.4	83.9	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2
≥ 1000		46.5	61.2	70.7	79.5	82.1	84.6	86.1	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4
≥ 900		46.9	61.5	71.4	80.2	82.8	85.3	86.8	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2
≥ 800		49.1	64.1	74.4	83.5	86.4	89.0	90.8	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2
≥ 700		49.1	65.6	75.8	85.3	88.3	90.8	93.0	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4
≥ 600		49.8	66.7	76.9	86.4	89.4	91.9	94.1	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5
≥ 500		49.8	66.7	76.9	86.4	89.4	92.7	94.9	95.6	95.6	95.6	95.6	95.6	95.6	96.0	96.0
≥ 400		49.8	66.7	76.9	86.4	89.4	92.7	94.9	95.6	95.6	95.6	95.6	95.6	95.6	96.0	96.0
≥ 300		49.8	66.7	76.9	86.4	89.4	93.8	96.3	97.4	97.4	97.4	97.8	97.8	97.8	98.2	98.2
≥ 200		49.8	66.7	76.9	86.4	89.4	93.8	96.3	97.4	97.4	98.2	98.5	98.9	98.9	99.3	99.3
≥ 100		49.8	66.7	76.9	86.4	89.4	94.1	96.7	97.8	97.8	98.5	98.9	99.3	99.3	99.6	100.0
≥ 0		49.8	66.7	76.9	86.4	89.4	94.1	96.7	97.8	97.8	98.5	98.9	99.3	99.3	99.6	100.0

TOTAL NUMBER OF OBSERVATIONS 273

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/HAC

# CEILING VERSUS VISIBILITY

4221R STATION TAI-CHUNG TAIWAN/CHING CHUAN KANG 69-71

YEARS

REC

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1200-1400  
HOURS UTC

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1.25	≥ 1	≥ .75	≥ .5	≥ .25	≥ .16	≥ .1	≥ 0
NO CEILING		29.7	38.5	45.4	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5
≥ 20000		30.0	39.6	46.5	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6
≥ 18000		30.0	39.6	46.5	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6
≥ 16000		30.0	39.6	46.5	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6
≥ 14000		30.8	40.3	47.3	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4
≥ 12000		34.4	45.8	52.7	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8
≥ 10000		38.5	50.5	59.0	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2
≥ 9000		39.9	52.0	60.4	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6
≥ 8000		49.1	62.3	70.7	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4
≥ 7000		50.9	65.2	74.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4
≥ 6000		51.3	66.3	75.8	80.2	80.2	80.2	80.2	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6
≥ 5000		51.3	67.0	76.6	81.0	81.0	81.0	81.0	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
≥ 4500		52.4	68.1	77.7	82.1	82.1	82.1	82.1	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4
≥ 4000		52.7	68.5	78.0	82.4	82.4	82.4	82.4	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8
≥ 3500		53.1	68.9	78.4	82.8	82.8	82.8	82.8	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
≥ 3000		53.1	68.9	78.4	82.8	82.8	82.8	82.8	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
≥ 2500		53.8	69.6	79.1	83.5	83.5	83.5	83.5	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
≥ 2000		53.8	69.6	79.1	83.5	83.5	83.5	83.5	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
≥ 1800		53.8	69.6	79.1	83.5	83.5	83.5	83.5	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
≥ 1500		54.2	70.0	79.5	83.9	83.9	83.9	83.9	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2
≥ 1200		55.7	71.8	81.3	85.7	85.7	85.7	85.7	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1
≥ 1000		56.0	72.5	82.1	86.4	86.4	86.4	86.4	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8
≥ 900		56.0	73.3	83.5	87.9	87.9	87.9	87.9	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3
≥ 800		57.5	75.8	86.1	90.5	90.5	90.5	90.5	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8
≥ 700		57.5	76.9	87.2	91.6	91.6	91.6	91.6	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
≥ 600		57.9	77.3	88.3	93.0	93.0	93.0	93.4	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1
≥ 500		57.9	77.3	88.3	93.0	93.0	93.0	93.8	94.1	94.9	95.2	95.2	95.2	95.2	95.2	95.2
≥ 400		57.9	77.3	88.3	93.0	93.0	93.0	93.8	94.1	94.9	95.2	95.2	95.2	95.2	95.2	95.2
≥ 300		57.9	77.3	88.3	93.0	93.4	94.1	94.5	96.0	96.7	96.7	96.7	96.7	96.7	96.7	96.7
≥ 200		57.9	77.3	88.3	93.0	93.8	94.5	96.0	97.4	98.2	98.2	98.2	98.2	98.5	98.5	98.5
≥ 100		57.9	77.3	88.3	93.0	94.1	94.9	96.3	97.8	98.9	99.3	99.3	99.3	100.0	100.0	100.0
≥ 0		57.9	77.3	88.3	93.0	94.1	94.9	96.3	97.8	98.9	99.3	99.3	99.3	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 273

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

4221A TAI-CHUNG TAIWAN/CHING CHUAN KANG 69-71

DEC

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1500-1700  
HOURS LST

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 1	≥ 0
NO CEILING		31.5	36.8	42.1	42.5	42.5	42.5	42.5	42.5	42.5	42.9	42.9	42.9	42.9	42.9	42.9
≥ 20000		33.0	41.0	44.3	44.7	44.7	44.7	44.7	44.7	44.7	45.1	45.1	45.1	45.1	45.1	45.1
≥ 18000		33.0	41.0	44.3	44.7	44.7	44.7	44.7	44.7	44.7	45.1	45.1	45.1	45.1	45.1	45.1
≥ 16000		33.0	41.0	44.3	44.7	44.7	44.7	44.7	44.7	44.7	45.1	45.1	45.1	45.1	45.1	45.1
≥ 14000		33.0	41.8	45.1	45.4	45.4	45.4	45.4	45.4	45.4	45.8	45.8	45.8	45.8	45.8	45.8
≥ 12000		37.4	48.0	51.3	51.6	51.6	51.6	51.6	51.6	51.6	52.0	52.0	52.0	52.0	52.0	52.0
≥ 10000		42.9	54.6	57.9	58.2	58.2	58.2	58.2	58.2	58.2	58.6	58.6	58.6	58.6	58.6	58.6
≥ 9000		43.6	55.7	59.3	60.4	60.4	60.4	60.4	60.4	60.4	60.8	60.8	60.8	60.8	60.8	60.8
≥ 8000		49.8	62.3	65.9	67.4	67.4	67.4	67.8	68.1	68.1	68.5	68.5	68.5	68.5	68.5	68.5
≥ 7000		51.6	64.8	68.5	70.0	70.0	70.0	70.3	70.7	70.7	71.1	71.1	71.1	71.1	71.1	71.1
≥ 6000		53.1	66.7	70.3	71.8	71.8	71.8	72.2	72.5	72.5	72.9	72.9	72.9	72.9	72.9	72.9
≥ 5000		53.1	67.4	71.1	72.5	72.5	72.5	72.9	73.3	73.3	73.6	73.6	73.6	73.6	73.6	73.6
≥ 4500		54.9	69.2	72.9	74.4	74.4	74.4	74.7	75.1	75.1	75.5	75.5	75.5	75.5	75.5	75.5
≥ 4000		55.3	69.6	73.3	75.1	75.1	75.1	75.5	75.8	75.8	76.2	76.2	76.2	76.2	76.2	76.2
≥ 3500		55.7	70.3	74.0	75.8	75.8	75.8	76.2	76.6	76.6	76.9	76.9	76.9	76.9	76.9	76.9
≥ 3000		56.0	70.7	74.4	76.2	76.2	76.2	76.6	76.9	76.9	77.3	77.3	77.3	77.3	77.3	77.3
≥ 2500		56.0	70.7	74.4	76.2	76.2	76.2	76.6	76.9	76.9	77.3	77.3	77.3	77.3	77.3	77.3
≥ 2000		56.0	70.7	74.4	76.2	76.2	76.2	76.6	76.9	76.9	77.3	77.3	77.3	77.3	77.3	77.3
≥ 1800		56.4	71.1	74.7	76.6	76.6	76.6	76.9	77.3	77.3	77.7	77.7	77.7	77.7	77.7	77.7
≥ 1500		57.5	72.5	76.2	78.0	78.0	78.0	78.4	78.8	78.8	79.1	79.1	79.1	79.1	79.1	79.1
≥ 1200		58.6	73.6	77.3	79.1	79.1	79.1	79.5	79.9	79.9	80.2	80.2	80.2	80.2	80.2	80.2
≥ 1000		59.7	74.7	78.8	80.6	80.6	80.6	81.0	81.3	81.3	81.7	81.7	81.7	81.7	81.7	81.7
≥ 900		59.7	74.7	78.8	80.6	80.6	80.6	81.0	81.3	81.3	81.7	81.7	81.7	81.7	81.7	81.7
≥ 800		62.3	78.4	82.4	84.2	84.2	84.2	84.6	85.0	85.0	85.3	85.3	85.3	85.3	85.3	85.3
≥ 700		63.0	79.9	83.9	85.7	85.7	85.7	86.1	86.4	86.4	86.8	86.8	86.8	86.8	86.8	86.8
≥ 600		63.0	82.1	86.1	87.9	87.9	88.3	88.6	89.0	89.0	89.4	89.4	89.4	89.4	89.4	89.4
≥ 500		63.4	82.4	86.8	90.1	90.1	91.2	92.7	93.4	93.4	93.8	93.8	94.1	94.1	94.1	94.1
≥ 400		63.4	82.4	87.5	90.8	91.2	92.3	93.8	94.5	94.5	94.9	94.9	95.2	95.2	95.2	95.2
≥ 300		63.4	82.4	87.5	90.8	91.9	93.4	94.9	95.6	96.7	97.4	97.4	97.8	97.8	97.8	97.8
≥ 200		63.4	82.4	87.5	90.8	91.9	93.4	94.9	96.3	97.8	99.3	99.3	100.0	100.0	100.0	100.0
≥ 100		63.4	82.4	87.5	90.8	91.9	93.4	94.9	96.3	97.8	99.3	99.3	100.0	100.0	100.0	100.0
≥ 0		63.4	82.4	87.5	90.8	91.9	93.4	94.9	96.3	97.8	99.3	99.3	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 273

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

42214 STATION TAI-CHUNG TAIWAN/CHING CHUAN KANG 09-71

OFFICE

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1000-2000  
HOURS

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥⅓	≥⅒	≥0
NO CEILING		24.5	30.8	33.7	34.4	34.4	36.3	36.3	36.3	36.3	36.3	36.3	36.3	36.6	36.6	36.6
≥ 20000		24.5	31.1	35.2	35.9	35.9	37.7	37.7	37.7	37.7	37.7	37.7	37.7	38.1	38.1	38.1
≥ 18000		24.5	31.1	35.2	35.9	35.9	37.7	37.7	37.7	37.7	37.7	37.7	37.7	38.1	38.1	38.1
≥ 16000		24.5	31.1	35.2	35.9	35.9	37.7	37.7	37.7	37.7	37.7	37.7	37.7	38.1	38.1	38.1
≥ 14000		24.5	31.1	35.2	35.9	35.9	37.7	37.7	37.7	37.7	37.7	37.7	37.7	38.1	38.1	38.1
≥ 12000		25.3	35.2	39.6	40.7	40.7	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.9	42.9	42.9
≥ 10000		30.0	41.4	46.5	47.6	48.0	49.8	49.8	49.8	49.8	49.8	49.8	49.8	50.2	50.2	50.2
≥ 9000		30.0	41.4	46.5	47.6	48.4	50.2	50.9	50.9	50.9	50.9	50.9	50.9	51.3	51.3	51.3
≥ 8000		36.3	48.4	54.6	55.7	56.8	58.6	60.4	60.4	60.4	60.8	60.8	61.5	61.5	61.5	61.5
≥ 7000		39.2	52.0	58.2	59.7	60.8	62.6	64.5	64.5	64.5	64.8	64.8	65.6	65.6	65.6	65.6
≥ 6000		39.2	52.0	58.2	59.7	60.8	62.6	64.5	64.5	64.5	64.8	64.8	65.6	65.6	65.6	65.6
≥ 5000		39.6	52.4	58.6	60.1	61.2	63.0	65.2	65.9	65.9	66.3	66.3	67.0	67.0	67.0	67.0
≥ 4500		39.9	52.7	59.0	60.4	61.5	63.4	65.6	66.3	66.3	66.7	66.7	67.4	67.4	67.4	67.4
≥ 4000		39.9	52.7	59.0	60.4	61.5	63.4	65.6	66.3	66.3	66.7	66.7	67.4	67.4	67.4	67.4
≥ 3500		41.0	53.8	60.1	61.5	62.6	64.5	66.7	67.4	67.4	67.8	67.8	68.5	68.5	68.5	68.5
≥ 3000		42.1	54.9	61.2	62.6	63.7	65.6	67.8	68.5	68.5	68.9	68.9	69.6	69.6	69.6	69.6
≥ 2500		43.6	56.4	62.6	64.1	65.2	67.0	69.2	70.0	70.0	70.3	70.3	71.1	71.1	71.1	71.1
≥ 2000		43.6	56.8	63.0	64.5	65.6	67.4	69.6	70.3	70.3	70.7	70.7	71.4	71.4	71.4	71.4
≥ 1800		43.6	56.8	63.0	64.5	65.6	67.4	69.6	70.3	70.3	70.7	70.7	71.4	71.4	71.4	71.4
≥ 1500		44.0	57.1	63.4	64.8	65.9	67.8	70.0	70.7	70.7	71.1	71.1	71.8	71.8	71.8	71.8
≥ 1200		45.1	58.6	64.8	66.3	67.4	69.2	71.4	72.2	72.2	72.5	72.5	73.3	73.3	73.3	73.3
≥ 1000		46.2	59.7	67.0	68.5	69.6	71.4	73.6	74.4	74.4	74.7	74.7	75.5	75.5	75.5	75.5
≥ 900		46.9	60.4	67.8	69.2	70.3	72.2	74.4	75.1	75.1	75.5	75.5	76.2	76.2	76.2	76.2
≥ 800		49.1	62.0	70.3	71.8	72.9	74.7	76.9	77.7	77.7	78.0	78.0	78.8	78.8	78.8	78.8
≥ 700		49.1	62.7	72.2	73.6	74.7	76.6	78.8	79.5	79.5	79.9	79.9	80.6	80.6	80.6	80.6
≥ 600		49.1	62.7	72.5	74.0	75.1	76.9	79.1	79.9	79.9	80.2	80.2	81.0	81.0	81.0	81.0
≥ 500		49.1	63.7	74.7	77.7	79.5	82.2	85.7	86.4	86.4	87.2	87.2	87.9	87.9	87.9	87.9
≥ 400		49.1	62.7	75.1	78.8	81.7	85.3	88.3	89.0	89.4	90.1	90.1	90.8	90.8	90.8	90.8
≥ 300		49.1	63.7	75.1	78.8	82.1	86.1	90.5	91.2	91.9	92.7	92.7	94.1	94.1	94.1	94.1
≥ 200		49.1	63.7	75.8	79.5	82.8	86.8	91.6	92.3	93.4	94.5	94.5	96.3	96.3	96.3	97.4
≥ 100		49.1	63.7	76.2	79.9	83.2	87.2	91.9	92.7	93.8	95.2	95.2	97.8	98.2	98.9	100.0
≥ 0		49.1	62.7	76.2	79.9	83.2	87.2	91.9	92.7	93.8	95.2	95.2	97.8	98.2	98.9	100.0

TOTAL NUMBER OF OBSERVATIONS 273

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

42218 TAI-CHUNG TAIWAN/CHING CHUAN KANG 69-71

88C

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

2100-2300

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ .5	≥ .5	≥ .5	≥ .5	≥ 5 16	≥ .5	≥ 0
NO CEILING		20.6	20.8	29.0	32.0	32.4	33.5	33.5	34.2	34.6	34.9	34.9	36.0	36.8	37.5	39.0
≥ 20000		20.6	27.2	29.4	32.4	32.7	33.8	33.8	34.6	34.9	35.3	35.3	36.4	37.1	37.9	39.3
≥ 18000		20.6	27.2	29.4	32.4	32.7	33.8	33.8	34.6	34.9	35.3	35.3	36.4	37.1	37.9	39.3
≥ 16000		20.6	27.2	29.4	32.4	32.7	33.8	33.8	34.6	34.9	35.3	35.3	36.4	37.1	37.9	39.3
≥ 14000		21.0	27.6	30.1	33.1	33.8	34.9	34.9	35.7	36.0	36.4	36.4	37.5	38.2	39.0	40.4
≥ 12000		21.0	28.7	31.3	34.2	34.9	36.0	36.0	36.8	37.1	37.5	37.5	38.6	39.3	40.1	41.5
≥ 10000		25.0	33.1	36.4	40.8	41.5	42.6	42.6	43.4	43.8	44.1	44.1	45.2	46.0	46.7	48.2
≥ 9000		25.0	33.5	36.8	41.2	42.6	43.8	43.8	44.5	44.9	45.6	45.6	46.7	47.4	48.2	49.6
≥ 8000		32.7	41.9	46.7	51.8	53.3	54.8	55.1	55.9	56.3	57.0	57.0	58.1	58.8	59.6	61.0
≥ 7000		36.4	46.0	50.7	57.4	58.8	60.3	60.7	61.4	61.8	62.5	62.5	63.6	64.3	65.1	66.5
≥ 6000		37.5	47.1	51.8	58.5	59.9	61.4	61.8	62.5	62.9	63.6	63.6	64.7	65.4	66.2	67.6
≥ 5000		37.9	47.4	52.2	58.8	60.7	62.1	62.2	64.0	64.3	65.8	65.8	66.9	67.6	68.4	69.9
≥ 4500		37.9	47.4	52.2	58.8	60.7	62.1	62.2	64.0	64.3	65.8	65.8	66.9	67.6	68.4	69.9
≥ 4000		38.6	48.2	52.9	59.9	61.8	63.2	64.3	65.1	65.4	66.9	66.9	68.0	68.8	69.5	71.0
≥ 3500		39.0	48.5	53.3	60.3	62.1	63.6	64.7	65.4	65.8	67.3	67.3	68.4	69.1	69.9	71.3
≥ 3000		39.7	49.3	54.0	61.4	63.2	64.7	65.8	66.5	66.9	68.4	68.4	69.5	70.2	71.0	72.4
≥ 2500		40.4	50.4	55.1	62.5	64.7	66.2	67.3	68.0	68.4	69.9	69.9	71.0	71.7	72.4	73.9
≥ 2000		40.8	50.7	55.5	62.9	65.1	66.5	67.6	68.4	68.8	70.2	70.2	71.3	72.1	72.8	74.3
≥ 1800		41.2	51.1	55.9	63.2	65.4	66.9	68.0	68.8	69.1	70.6	70.6	71.7	72.4	73.2	74.6
≥ 1500		41.2	51.1	55.9	63.2	65.4	66.9	68.0	68.8	69.1	70.6	70.6	71.7	72.4	73.2	74.6
≥ 1200		43.0	53.7	58.8	66.2	68.4	69.9	71.0	71.7	72.1	73.5	73.5	74.6	75.4	76.1	77.6
≥ 1000		43.8	54.4	60.7	68.0	70.2	71.7	72.8	73.5	73.9	75.4	75.4	76.5	77.2	77.9	79.4
≥ 900		44.9	55.5	61.8	69.1	71.3	73.2	74.3	75.0	75.4	76.8	76.8	77.9	78.7	79.4	80.9
≥ 800		46.7	58.5	65.1	72.4	74.6	76.5	77.6	78.3	78.7	80.1	80.1	81.2	82.0	82.7	84.2
≥ 700		46.7	59.6	66.2	73.5	75.7	77.6	78.7	79.4	79.8	81.3	81.3	82.4	83.1	83.8	85.3
≥ 600		46.7	59.6	66.2	73.5	75.7	77.6	78.7	79.4	79.8	81.3	81.3	82.4	83.1	83.8	85.3
≥ 500		47.1	59.9	66.9	73.4	77.6	79.8	80.9	81.6	82.0	83.5	83.5	84.6	85.3	86.0	87.5
≥ 400		47.4	60.3	68.0	76.5	79.8	83.1	86.0	86.8	87.1	88.6	88.6	89.7	90.4	91.2	92.6
≥ 300		47.4	60.3	68.0	76.5	80.1	83.8	87.1	87.9	88.2	89.7	89.7	91.2	92.3	93.0	94.5
≥ 200		47.4	60.3	68.0	76.5	80.1	83.8	87.1	87.9	88.2	89.7	89.7	91.2	92.3	93.4	94.7
≥ 100		47.4	60.3	68.0	76.5	80.1	83.8	87.1	87.9	88.2	89.7	89.7	91.2	92.3	93.4	94.7
≥ 0		47.4	60.3	68.0	76.5	80.1	83.8	87.1	87.9	88.2	89.7	89.7	91.2	92.3	93.4	94.7

TOTAL NUMBER OF OBSERVATIONS 272



## PART D

## SKY COVER

This summary is prepared from hourly observations and is a percentage frequency distribution of total sky cover by tenths, plus mean sky cover, and total number of observations. It is presented in two tables as follows:

1. By month and annual - all hours and all years combined.
2. By month - by standard 3-hour groups.

NOTE: # 1: Sky cover (total cloud amount) was not reported by U. S. Services until mid 1945. Data, when available, were punched for Air Force stations beginning in 1946, but were not available for Navy stations until 1948 or 1949. Weather Bureau stations recorded total cloud amount in remarks beginning sometime in 1945, but few stations have punched data prior to 1948. This summary will, of course, be limited to period of available data.

NOTE: # 2: Some sources of punched data used for this summary report cloud amounts in oktas. These have been converted to tenths prior to summarizing, and notation is made on the form to indicate that data were originally reported in oktas. The manner of conversion is given below:

<u>OKTAS</u>	<u>TENTHS</u>
0	0
1	1
2	3
3	4
4	5
5	6
6	8
7	9
8 (or obscured)	10

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

# SKY COVER

42218 TAI-CHUNG TAIWAN/CHING CHUAN KANG 69-71

ALL

STATION

STATION NAME

PERIOD

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS	
		0	1	2	3	4	5	6	7	8	9			10
JAN	ALL	9.2	7.6		6.7	4.9	3.7	5.4		8.9	22.2	31.4	6.8	2230
FEB		10.4	9.4		7.0	5.9	3.7	4.1		5.8	17.3	36.6	6.6	2016
MAR		8.1	5.2		4.5	3.0	2.4	4.4		8.1	11.4	52.5	7.6	2232
APR		7.5	7.2		5.7	6.6	4.7	6.5		10.6	21.1	30.2	6.9	2160
MAY		2.1	4.8		4.6	6.5	7.1	7.6		14.0	27.4	25.9	7.4	2231
JUN		1.6	4.3		6.3	6.4	6.9	8.1		13.4	28.3	24.8	7.4	2160
JUL		1.2	6.4		10.1	10.9	10.7	9.9		15.9	27.5	7.5	6.4	2231
AUG		2.1	10.0		10.9	11.4	10.3	9.1		12.8	21.4	12.2	6.1	2232
SEP		2.5	6.2		8.1	9.9	10.2	9.8		11.3	18.5	23.5	6.7	2160
OCT		9.4	10.5		9.1	6.3	7.0	6.8		9.0	21.0	20.9	6.1	2232
NOV		13.9	11.2		8.0	7.6	6.9	5.5		7.8	18.8	20.4	5.7	2160
DEC		7.6	10.4		7.5	5.5	5.0	5.4		9.8	19.9	29.0	6.6	2189
TOTALS		6.3	7.8		7.4	7.1	6.6	6.9		10.6	21.2	26.2	6.7	26233

## SKY COVER

! 4 !

## 5. CONCLUSION

STATION NAME

PERIOD

MON-11

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO OF OBS	
		0	1	2	3	4	5	6	7	8	9			10
JAN	00-02	11.9	4.3		4.7	4.0	3.4	4.0		7.9	19.9	37.9	7.1	277
	03-05	12.5	3.2		3.2	3.9	3.6	3.6		10.4	17.9	41.6	7.3	279
	06-08	9.0	5.0		4.3	3.9	3.2	3.6		9.3	27.6	34.1	7.3	279
	09-11	5.4	9.7		5.0	5.4	5.0	6.1		9.0	24.7	29.7	7.0	279
	12-14	6.1	11.8		10.4	6.1	4.3	5.0		9.0	26.5	20.8	6.4	279
	15-17	6.5	12.5		9.0	6.5	2.2	8.6		7.2	26.5	21.1	6.4	279
	18-20	9.7	8.2		10.4	5.4	1.8	7.2		7.2	19.0	31.2	6.5	279
	21-23	12.5	6.1		6.5	4.3	4.3	5.4		11.5	15.1	34.4	6.7	279
TOTALS		9.2	7.6		6.7	4.4	3.7	5.4		8.9	22.2	31.4	6.6	2230

## SKY COVER

 $F \in \mathbb{R}$ 

MONTH

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO OF OBS	
		0	1	2	3	4	5	6	7	8	9			10
FEB	00-02	15.9	3.0		4.0	4.0	3.2	5.0		4.8	14.7	43.7	6.9	252
	03-05	16.3	2.0		3.2	3.2	2.4	2.8		3.2	19.0	46.0	7.2	252
	06-08	7.9	6.0		7.9	5.2	2.8	4.8		5.2	17.9	42.5	7.2	252
	09-11	7.9	11.5		7.5	6.3	4.0	7.1		7.5	23.0	25.0	6.4	252
	12-14	8.3	15.1		9.1	8.3	6.3	4.0		6.7	15.9	26.2	5.9	252
	15-17	5.0	20.6		10.3	6.0	5.2	2.0		5.6	11.9	32.9	5.9	252
	18-20	8.3	10.3		8.3	5.0	2.4	2.4		7.9	17.9	36.9	6.8	252
	21-23	12.7	6.0		5.6	6.0	3.2	4.0		5.2	18.3	39.3	6.8	252
TOTALS		10.4	9.4		7.0	5.9	3.7	4.1		5.8	17.3	36.6	6.6	2016

## SKY COVER

102

STATION

STATION NAME

PERIOD

MONTH

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS	
		0	1	2	3	4	5	6	7	8	9			10
MAR	00-02	12.2	1.8		3.6	1.8	1.4	2.5		6.1	6.8	63.8	7.9	279
	03-05	12.2	1.8		2.9	2.5	1.1	3.2		5.4	7.2	63.8	7.9	279
	06-08	7.5	4.7		3.2	1.8	2.2	3.6		6.8	11.5	58.8	8.0	279
	09-11	7.2	5.4		3.9	3.2	4.7	6.1		12.2	15.8	41.6	7.5	279
	12-14	3.9	10.0		5.0	5.0	2.5	6.5		10.8	16.8	39.4	7.3	279
	15-17	5.0	7.9		7.9	3.2	2.9	5.0		11.1	13.3	43.7	7.3	279
	18-20	4.7	7.2		4.3	6.5	2.9	5.0		7.2	10.4	52.0	7.6	279
	21-23	12.2	2.9		5.4	4.7	1.1	2.9		5.4	9.0	56.6	7.5	279
TOTALS		8.1	5.2		4.5	3.6	2.4	4.4		8.1	11.4	52.5	7.6	2232

## SKY COVER

APF

STATION

STATION NAME

PERIOD

MONTH

MONTH	HOURS [L.S.T.]	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
APR	00-02	10.4	7.8		5.9	5.2	4.4	5.6		8.5	17.4	34.8	6.7	270
	03-05	11.5	4.4		2.2	4.4	2.6	4.4		13.7	21.1	35.6	7.2	270
	06-08	4.8	4.4		4.8	5.2	2.6	6.7		13.7	21.5	35.6	7.5	270
	09-11	5.6	4.4		7.0	8.5	5.2	8.1		10.4	23.3	27.4	7.0	270
	12-14	4.4	8.5		6.3	9.3	6.3	7.0		8.5	25.6	24.1	6.8	270
	15-17	6.2	10.7		6.3	7.0	6.7	5.2		10.0	20.7	27.0	6.6	270
	18-20	7.0	6.3		8.1	7.8	4.8	7.4		10.0	20.4	28.1	6.8	270
	21-23	9.6	10.7		5.2	4.4	5.2	7.8		9.6	18.5	28.9	6.5	270
TOTALS		7.5	7.2		5.7	6.6	4.7	6.5		10.6	21.1	30.2	6.9	2160

## SKY COVER

69-71

MAY

STATION

STATION NAME

PERIOD

MONTH

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9	10		
MAY	00-02	7.2	6.5		6.1	8.3	6.5	9.0		11.2	23.4	21.9	6.6	278
	03-05	2.5	4.3		6.6	6.1	5.4	7.5		18.3	17.2	31.9	7.4	279
	06-08	1.1	2.5		3.9	5.7	6.1	7.2		13.6	30.1	29.7	7.9	279
	09-11	.4	2.9		.4	4.3	6.1	10.4		19.4	32.3	24.0	8.0	279
	12-14		3.9		1.8	4.3	9.7	6.5		16.5	36.2	21.1	7.8	279
	15-17		3.9		4.3	5.0	7.2	7.5		14.0	31.9	26.2	7.8	279
	18-20	.4	3.6		5.7	9.3	6.1	6.5		12.5	28.7	27.2	7.6	279
	21-23	5.4	10.4		7.5	9.3	9.7	6.5		6.5	19.4	25.4	6.4	279
TOTALS		2.1	4.8		4.6	6.5	7.1	7.6		14.0	27.4	25.9	7.4	2231

## SKY COVER

Aut.

MONTH

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS	
		0	1	2	3	4	5	6	7	8	9			10
JUN	00-02	4.1	9.6		10.0	9.6	5.9	7.4		11.1	15.6	26.7	6.5	270
	03-05	4.4	7.4		7.0	6.7	8.1	10.7		11.1	20.7	23.7	6.7	270
	06-08	4.4	1.5		4.8	1.5	9.7	9.3		17.0	30.4	28.5	8.1	270
	09-11		1.1		2.6	5.6	8.1	8.5		17.4	37.8	18.9	7.9	270
	12-14		2.6		3.3	5.9	6.3	9.3		14.1	38.5	20.0	7.8	270
	15-17		2.6		5.9	7.4	5.6	4.8		12.6	37.4	23.7	7.8	270
	18-20		1.9		5.6	5.2	6.3	7.4		13.0	30.0	30.7	8.0	270
	21-23	4.1	7.4		11.1	8.9	7.8	7.0		11.1	16.3	26.3	6.6	270
TOTALS		1.6	4.3		6.3	6.4	6.9	8.1		13.4	28.3	24.8	7.4	2160



## SKY COVER

154

STATION

STATION NAME

PERIOD

MONTE

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS	
		0	1	2	3	4	5	6	7	8	9			10
JUL	00-02	2.5	13.3		12.5	9.3	10.0	7.5		16.8	21.1	6.8	5.8	279
	03-05	3.6	11.1		10.0	10.4	15.1	9.7		12.9	19.7	7.5	5.7	279
	06-08	1.1	4.3		9.7	11.1	11.5	11.1		14.0	30.8	6.5	6.6	279
	09-11		2.9		8.6	9.0	12.5	9.0		20.8	28.3	9.0	6.9	279
	12-14		2.5		10.4	14.0	7.2	10.4		20.1	30.1	5.4	6.7	279
	15-17		5.7		7.9	9.3	9.0	10.8		16.8	33.0	7.5	6.8	279
	18-20		2.2		5.0	9.0	10.8	10.4		15.1	37.4	10.1	7.3	278
	21-23	2.2	9.3		16.8	15.4	9.3	10.4		10.4	19.4	6.8	5.6	279
TOTALS		1.2	6.4		10.1	10.9	10.7	9.9		15.9	27.5	7.5	6.4	2231

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

# SKY COVER

42218 TAI-CHUNG TAIWAN/CHING CHUAN KANG

69-71

AUG

STATION

STATION NAME

PERIOD

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS	
		0	1	2	3	4	5	6	7	8	9			10
AUG	00-02	4.7	12.2		9.0	10.0	10.4	10.4		12.5	20.1	10.8	5.8	279
	03-05	2.9	9.0		11.8	10.0	11.5	12.9		12.2	20.1	9.7	5.9	279
	06-08	1.4	7.2		10.0	16.1	12.2	6.5		12.2	24.7	9.7	6.2	279
	09-11	.4	6.8		7.2	12.8	14.0	10.0		12.9	24.0	9.0	6.3	279
	12-14		10.0		11.1	10.4	9.7	6.8		17.6	25.1	9.3	6.3	279
	15-17		10.0		12.2	12.2	7.9	7.9		12.5	22.2	15.1	6.3	279
	18-20	1.1	11.1		12.9	10.0	7.2	8.2		10.8	21.5	17.2	6.3	279
	21-23	6.5	13.3		13.3	6.5	9.3	9.7		11.5	13.6	16.5	5.6	279
TOTALS		2.1	10.0		10.9	11.4	10.3	9.1		12.8	21.4	12.2	6.1	2232

USAFETAC

FORM  
JUL 64

0-9-5 (OL1)

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

## SKY COVER

358

MONTH

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
SEP	00-02	5.6	11.9		7.8	10.7	7.0	7.0		9.3	13.3	27.4	6.2	270
	03-05	6.3	5.2		8.9	11.1	8.5	8.9		10.0	20.0	21.1	6.4	270
	06-08	1.9	6.7		5.9	9.6	12.6	9.3		9.3	24.8	20.0	6.8	270
	09-11		4.1		5.2	7.0	13.7	10.7		18.1	18.9	22.2	7.2	270
	12-14		1.5		4.4	10.0	10.4	15.2		17.8	19.6	21.1	7.3	270
	15-17		7.8		6.7	11.1	10.0	8.1		8.5	25.6	22.2	6.9	270
	18-20	1.5	4.8		8.9	10.0	10.0	11.1		8.9	15.6	29.3	6.9	270
	21-23	4.8	7.8		17.0	9.6	9.3	8.1		8.5	10.0	24.8	6.0	270
TOTALS		2.5	6.2		8.1	9.9	10.2	9.8		11.3	18.5	23.5	6.7	2160

## SKY COVER

757

STATION

STATION NAME

PERIOD

MONTH

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
OCT	00-02	16.1	6.5		8.2	5.4	5.0	7.9		7.9	18.6	24.4	6.0	279
	03-05	15.4	5.0		10.4	6.5	7.5	8.2		6.5	18.6	21.9	5.9	279
	06-08	3.6	10.4		6.5	8.2	3.6	5.4		8.6	30.5	23.3	6.9	279
	09-11	6.8	10.8		8.2	5.7	9.0	6.1		9.7	24.7	19.0	6.3	279
	12-14	1.4	14.3		11.1	7.5	9.7	3.2		11.1	24.0	17.6	6.3	279
	15-17	1.4	15.1		10.8	5.4	7.5	6.5		12.5	20.4	20.4	6.3	279
	18-20	9.3	13.3		10.4	4.7	5.0	9.7		9.0	16.1	22.6	5.9	279
	21-23	21.1	8.2		7.5	7.2	9.0	7.2		6.8	14.7	18.3	5.2	279
TOTALS		9.4	10.5		9.1	6.3	7.0	6.8		9.0	21.0	20.9	6.1	2232

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

# SKY COVER

42218 TAI-CHUNG TAIWAN/CHING CHUAN KANG 69-71

STATION

STATION NAME

PERIOD

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS	
		0	1	2	3	4	5	6	7	8	9			10
NOV	00-02	25.2	9.3		9.3	5.9	2.6	4.8		6.3	14.4	22.2	5.1	270
	03-05	20.0	8.5		8.1	8.9	5.9	5.9		7.8	12.6	22.2	5.3	270
	06-08	9.2	11.1		8.5	8.5	6.3	5.9		7.8	24.8	21.9	6.4	270
	09-11	9.3	12.6		8.9	8.9	7.0	8.1		6.7	23.0	15.6	5.7	270
	12-14	3.7	17.4		6.3	11.5	11.5	6.3		7.0	19.6	16.7	5.8	270
	15-17	7.8	12.6		6.3	6.3	8.9	4.1		13.3	22.6	18.1	6.2	270
	18-20	14.4	7.8		10.4	4.8	9.3	5.9		8.9	18.5	23.0	5.9	270
	21-23	25.9	10.0		5.9	5.6	6.7	2.6		4.8	15.2	23.3	5.1	270
TOTALS		13.9	11.2		8.0	7.6	6.9	5.5		7.8	18.8	20.4	5.7	2160

USAFETAC

FORM 0.9.5 (OL1)

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## SKY COVER

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MONTH

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
DEC	00-02	10.9	7.2		2.5	3.0	5.4	6.5		9.4	21.0	33.3	6.9	276
	03-05	13.8	6.2		6.5	4.7	4.3	5.1		8.0	17.0	34.4	6.6	276
	06-08	4.0	9.2		8.8	5.1	4.4	4.4		10.3	21.2	32.6	7.0	273
	09-11	2.9	13.9		9.2	7.0	9.6	2.2		12.8	23.8	21.6	6.5	273
	12-14	3.5	12.5		11.0	6.4	5.5	8.1		10.6	17.9	22.7	6.3	273
	15-17	3.7	14.3		8.8	5.1	9.6	6.6		7.7	20.9	26.4	6.5	273
	18-20	9.9	11.4		5.5	4.4	3.7	4.0		8.1	21.2	31.9	6.6	273
	21-23	12.1	8.1		7.4	5.5	3.7	6.3		11.8	16.2	29.0	6.4	272
TOTALS		7.6	10.4		7.5	5.5	5.0	5.4		9.8	19.9	29.0	6.6	2189

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE (MAC)  
ASHEVILLE, NORTH CAROLINA

## PART E PSYCHROMETRIC SUMMARIES

In this section are presented various summaries of dry- and wet-bulb temperatures, dew points, and relative humidity. The order and manner of presentation follows:

1. Cumulative percentage frequency of occurrence - derived from daily observations and presented by month and annual for all years combined. These tabulations provide the cumulative percentage frequency to tenths of temperature by 5-degree Fahrenheit increments, plus mean temperature, standard deviation, and total number of observations in three separate tables as follows:
  - a. Daily maximum temperature
  - b. Daily minimum temperature
  - c. Daily mean temperature
2. Extreme values - derived from daily observations with extreme value given for each year and month of record available. Extremes are provided for a month if all days for a month contain valid observations. All months for a year must have valid extremes before the ANNUAL value is selected for that year. Means and standard deviations are computed for months and annual when four or more values are present for any column. Two tables of daily extreme temperatures are prepared:
  - a. Extreme maximum temperature
  - b. Extreme minimum temperature

NOTE: A supplementary list also provides extreme temperatures when less than a full month is reported.
3. Bivariate percentage frequency distribution and computations of dry-bulb versus wet-bulb temperature. This tabulation is derived from hourly observations and is presented by month and annual, all hours and all years combined. The following information is provided:
  - a. The main body of the summary consists of a bivariate percentage frequency distribution of wet-bulb depression in 17 classes spread horizontally; by 2-degree intervals of dry-bulb temperature vertically. Also provided for each dry-bulb temperature interval is the percentage of observations with dry-bulb and wet-bulb temperature combined; and again for dry-bulb, wet-bulb, and dew-point temperatures separately. Total observations for these four items is also provided in two lines at end of each tabulation table, which may require two pages in some cases.

NOTE: A percentage frequency in this table of ".0" represents one or more occurrences amounting to less than .05 percent.

- b. Statistical data for the individual elements of relative humidity, dry-bulb, wet-bulb, and dew-point temperatures are shown in the section at the bottom left of the forms. These consist of the sum of squares ( $\sum X^2$ ), sums of values ( $\sum X$ ), means ( $\bar{X}$ ), and standard deviations ( $\sigma x$ ). The number of observations used in the computations for each element is also shown.
- c. At the lower right of the form are given the mean number of hours of occurrence for six ranges of dry-bulb, wet-bulb, and dew-point temperatures, and total number of hours possible in the period represented. Mean number of hours is shown to tenths and indicates mean number of hours per year in the annual summary, or mean number of hours per month in the tabulations by month.

NOTE: Wet-bulb temperature usually was not reported prior to 1946. Relative humidity usually was not reported prior to 1949, nor subsequent to June 1958; and was computed by machine methods for observations recorded during these periods. All values of dew-point temperature and relative humidity are with respect to water, unless otherwise indicated.

- 4. Means and standard deviations - These tabulations are derived from hourly observations and present the mean, standard deviation, and total number of observations for the eight standard 3-hour groups, by month and annual and again at the bottom for all hours combined. Records for all years available are combined. Tables are prepared for the following:
  - a. Dry-bulb temperature
  - b. Wet-bulb temperature
  - c. Dew-point temperature
- 5. Cumulative percentage frequency of occurrence of relative humidity - This summary is derived from hourly observations and presents the cumulative percentage frequency of occurrence of relative humidity by increments of 10% classes, plus the mean relative humidity and total number of observations in two tables.
  - a. Table 1 is prepared by month and annual, all years combined, with month being the vertical argument.
  - b. Table 2 is prepared by month by standard 3-hour groups, with the hour groups being the vertical argument and a separate page for each month. All years are also combined for this summary.



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ATTN: PERSONNEL DIVISION  
1500 LIT  
ATTN: EASTERN SERVICE/SEC  
#221-1-100-0016 TAI-1A/COMBING CHINA KAND 89-71

### DAILY TEMPERATURES

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM DAILY OBSERVATIONS

TEMP. IN	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN. A
100							1.1						1.1
95							4.7	4.1					7.0
90					1.6	3.3	37.3	29.0	14.4	1.1			7.0
85				10.0	29.0	76.7	95.7	93.5	76.7	28.0	1.1		33.4
80	7.2	4.4	12.9	14.4	30.6	95.0	98.9	97.3	84.4	57.0	22.2		47.4
75	8.0	15.5	23.0	72.2	93.5	98.3	100.0	100.0	97.8	87.1	33.3	9.9	63.0
70	29.0	42.9	43.0	90.0	96.8	100.0		100.0		97.8	83.2	59.3	77.4
65	43.4	60.7	65.6	95.3	100.0					100.0	97.8	83.5	67.0
60	75.3	82.1	81.9	98.9							100.0	97.8	94.7
55	93.5	98.8	97.8									100.0	99.0
50	9.9		100.0	100.0									99.0
45	100.0												99.9
40		100.0											100.0
MEAN	64.7	66.8	68.5	75.8	81.9	83.3	89.3	88.1	85.4	80.2	73.4	69.4	77.7
S.D.	7.457	7.489	8.721	6.399	4.780	2.837	3.650	3.161	4.312	4.724	5.487	4.639	10.057
TOTAL OBS	93	84	93	90	62	67	73	97	90	93	90	91	1037

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III

STATION NAME

ELEVATION

DATE OF OBSERVATION

1221 TAIKONG TAIWAN / CHINA (HANKUO 19-7)

STATION

STATION NAME

YEAR

## DAILY TEMPERATURES

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM DAILY OBSERVATIONS.

TEMP °F	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
90							1.1						1.1
85							21.5	5.3	1.1				28.9
80				4.4	7.7	48.4	58.2	89.2	57.8	4.1			25.2
75	1.1		4.3	20.0	52.0	95.0	100.0	100.0	93.3	44.1	4.4		42.1
70	4.3	3.6	12.2	56.7	91.0	100.0			100.0	82.7	40.0	1.1	55.0
65	21.5	15.3	25.0	54.4	100.0					100.0	60.0	33.0	70.5
60	59.0	56.0	57.0	93.3							97.8	79.1	84.1
55	72.0	76.2	94.6	98.0							100.0	95.9	94.9
50	91.4	97.6	100.0									100.0	95.9
45	100.0	98.8		100.0									99.9
40		100.0											100.0
35													
30													
25													
20													
15													
10													
5													
0													
MEAN	58.3	59.6	61.8	69.7	75.3	79.1	82.2	81.5	79.4	73.6	65.0	62.6	70.0
S.D.	6.360	5.896	6.016	5.968	3.586	2.083	2.527	1.894	2.664	3.920	3.761	3.726	4.576
TOTAL OBS	93	84	93	90	82	60	93	91	90	91	90	91	1037

## EXTREME VALUES

AXIAL TENSION  
FROM DAILY OBSERVATIONS

6221 1.1-5 4465 14144/001-0 CH. AL. ROAD 69-71  
STATION NAME

YEARS

401 DEGREES PARALLEL EIT

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
1970	74	80	83	87	87	90	91	90	91	88	84		
1971	74	81	83	85	86	90	91	92	90	90	82		
1972												76	94
1973													
1974													
1975													
1976													
1977													
1978													
1979													
1980													
1981													
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2020													
2021													
2022													
2023													
2024													
2025													
2026													
2027													
2028													
MEAN	77.3	80.7	83.3	83.7	89.0	90.0	95.3	92.7	92.0	87.3	83.7	76.0	94.0
S D													
TOTAL OBS	11	84	93	90	52	60	93	93	90	93	90	31	872

1



1

## PSYCHROMETRIC SUMMARY

ALL

ALL

Q. S. 1000

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																														TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Po.													
102/101										.0								2		2														
98/ 97										.0								6		6														
96/ 95				.0					.0	.0								13		13														
94/ 93				.0	.0	.0	.1	.1	.0	.0								63		63														
92/ 91				.0	.0	.1	.2	.2	.1	.0								138		138														
90/ 89			.0	.0	.2	.4	.1	.1	.0	.0								233		233		1												
88/ 87		.0	.0	.1	.6	1.0	.2	.1	.0	.0								548		548	6	2												
86/ 85		.0	.3	.5	1.9	1.4	.2	.0	.0	.0								1152		1152	15	9												
84/ 83	.0	.0	.5	1.8	.8	.7	.1	.0	.0									1050		1050	72	22												
82/ 81	.0	.1	1.1	1.7	.6	.5	.1	.0	.0	.0								1097		1097	297	60												
80/ 79	.1	1.3	1.2	1.5	.7	.3	.1	.1	.0									1352		1352	919	286												
78/ 77	.4	3.4	2.5	1.7	.7	.3	.2	.0	.0	.0								2400		2400	2043	1058												
76/ 75	1.4	2.7	3.2	.8	.5	.2	.2	.1	.0	.0								2425		2425	2924	2375												
74/ 73	1.1	1.8	2.3	.7	.4	.3	.1	.0	.0	.0								1784		1784	2666	2898												
72/ 71	.7	1.8	1.4	.5	.5	.2	.1	.0										1390		1390	2011	2415												
70/ 69	.6	1.8	1.1	.5	.5	.2	.0	.0	.0									1258		1258	1650	1839												
68/ 67	.5	1.8	1.7	.9	.5	.2	.0	.0	.0									1452		1452	1384	1762												
66/ 65	.4	1.8	1.5	.7	.2	.1	.0											1253		1253	1252	1213												
64/ 63	.5	2.0	1.3	.6	.2	.1	.0		.0									1216		1216	1509	1228												
62/ 61	.7	2.1	1.4	.5	.2	.1	.0											1297		1297	1462	1287												
60/ 59	.9	2.6	1.3	.6	.2	.1	.0											1464		1464	1498	1699												
58/ 57	.7	2.3	.8	.3	.2	.0	.0											1142		1142	1512	1486												
56/ 55	1.0	2.6	.7	.3	.1	.0	.0											1243		1243	1450	1528												
54/ 53	.5	1.5	.9	.2	.1	.0												806		806	1145	1308												
52/ 51	.2	.9	.6	.1	.0	.0	.0											482		482	695	1018												
50/ 49	.2	.8	.7	.1	.1	.0												488		488	635	866												
48/ 47	.1	.4	.3	.0	.0		.0											241		241	452	562												
46/ 45	.0	.2	.1	.0	.0		.0											123		123	318	376												



## PSYCHROMETRIC SUMMARY

ΔΙΙ

YEARS

MONTE

ALL

MOUSE



## PSYCHROMETRIC SUMMARY

144

STATION

STATION NAME

YEARS

PAGE 2

ALL

[illegible]

USAFETAC FORM 0-26-5 (OLA)  
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## PSYCHROMETRIC SUMMARY

FEB

STATION	STATION NAME
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YEARS

PAGE 1

ALL

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Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL			TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	D.B.	W.B.	Dry Bulb	Wet Bulb	Dew Pt							
82/ 81								.1																		2		2									
80/ 79							.1	.3																		10		10									
78/ 77							.5	.5		.0	.1															25		25									
76/ 75						.2	.3	.2	.1	.1	.0															22		22									
74/ 73				.1	.6	.4	.2	.0	.0																	30		30									
72/ 71				.4	.6	.1	.8	.1																		43		43									
70/ 69			.1	.7	1.1	.5	.3	.1	.1																	62		62		6							
68/ 67			1.0	1.1	1.3	.7	.2		.0																	89		89		29							
66/ 65	.1	1.0	1.4	1.2	.6	.1	.2																			94		94		5							
64/ 63	.2	1.4	1.5	.8	.1																					99		99		40							
62/ 61	.7	2.9	2.2	.9	.9	.2	.1																			162		162		92							
60/ 59	2.4	5.9	2.4	1.3	.6	.5	.1																			268		268		193							
58/ 57	2.1	5.8	1.4	1.0	.5	.2	.1																			226		226		193							
56/ 55	2.4	6.8	2.5	.7	.4																					259		259		302							
54/ 53	1.7	4.7	3.5	.6	.2	.0																				215		215		241							
52/ 51	.5	2.4	2.0	.3	.0	.1																				110		110		192							
50/ 49	1.1	2.6	2.9	.5	.3	.0																				149		149		201							
48/ 47	.8	1.7	.9	.0	.1																					73		73		152							
46/ 45	.1	.9	.1																							24		24		118							
44/ 43		.5	.6	.0																						25		25		85							
42/ 41		.4	.6																							20		20		85							
40/ 39		.0			.0																					2		2		45							
38/ 37				.1																						2		2		16							
36/ 35			.1	.0																						4		4		22							
34/ 33			.0																							1		1		11							
32/ 31																														12							
30/ 29																														3							
28/ 27																														3							
26/ 25																														3							
24/ 23																														3							
22/ 21																														2							
TOTAL	12.1	37.1	23.5	10.1	8.4	4.3	3.3	.8	.4	.2																2016		2016		2016							
Element (X)	Σ x <sup>2</sup>			Σ x			x̄			s <sub>x</sub>			No. Obs.			Mean No. of Hours with Temperature																					
Rel. Hum.	13630348			163090			80.914722			2016			≤ 0 F			≤ 32 F			≥ 67 F			≥ 73 F			≥ 80 F			≥ 93 F			Total						
Dry Bulb	6726878			117218			58.17434			2016									94.3			29.7			1.7						672						
Wet Bulb	6095203			110159			54.66135			2016									2.3			11.7									672						
Dew Point	5516822			104370			51.96785			2016									7.7												672						

## PSYCHROMETRIC SUMMARY

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STATION

STATION NAME

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Figure 1

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## PSYCHROMETRIC SUMMARY

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AIR FORCE ENVIRONMENTAL TECHNICAL APPLICATIONS CENTER--ETC F/8 4/2  
CHING CHUAN KANG AB, KUNG KUAN, FORMOSA. REVISED UNIFORM SUMMAR--ETC (U)  
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USAFETAC/DS-80/083

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## PSYCHROMETRIC SUMMARY

42218 TAI-CHUNG TAIWAN/CHING CHUAN KANG 69-71

JUN

STATION

STATION NAME

YEARS

PAGE 1

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NO. 85 - 5 - 5 - 1

[illegible]

## PSYCHROMETRIC SUMMARY

42218 TAI-CHUNG TAIWAN/CHING CHUAN KANG 69-71

144

STATION

STATION NAME

YEARS

MONTH

PAGE 1

ALL

HOURS L. S. T.

[illegible]

2

## YEARS

**AUG**

STATION

STATION NAME

PAGE 1

ALL

HOURS (L, S, T, )

USAFETAC  
FORM  
JAN 44  
0-26-5 (OL A)  
REVISIO PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

42218	TAI-CHUNG TAIWAN/CHING CHUAN KANG	69-71
STATION	STATION NAME	

## SEP

PAGE 1

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HOURS: 11:30 - 1:30

[illegible]



## PSYCHROMETRIC SUMMARY

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STATION NAME

YEARS

PAGE 1

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2008-09-15

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE JUL 64

## PSYCHROMETRIC SUMMARY

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STATION	STATION NAME
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YEARS

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PAGE 1

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HOURS : L. S. T.

[illegible]

JSAFETAC FORM 0-26-5 (01 A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

## PSYCHROMETRIC SUMMARY

JAN

NOV 11 1954

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																												TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point											
70/ 69	.7	1.1																5	5	2												
68/ 67		.4	.4															2	2	4	5											
66/ 65	1.1	1.8																8	8	5	3											
64/ 63	.4	1.8	.7															8	8	6	7											
62/ 61	.4	6.1	.7															20	20	12	4											
60/ 59	1.8	7.2	.7															27	27	23	28											
58/ 57	.7	8.7	.7															28	28	28	18											
56/ 55	3.2	10.5	1.1															41	41	38	35											
54/ 53	.7	8.3	1.4															29	29	30	22											
52/ 51	1.1	5.4	.7	.4		.4	.4											23	23	28	30											
50/ 49	1.1	5.8	5.1		.4	.4												35	35	18	33											
48/ 47	1.1	4.7	1.8	.4	.4													23	23	26	19											
46/ 45	.7	2.2	1.8		1.4													17	17	23	16											
44/ 43	.4	1.1	.7	.4														7	7	11	19											
42/ 41		.4	1.1															4	4	10	10											
40/ 39																				6	8											
38/ 37																				7	5											
36/ 35																					1											
34/ 33																					2											
32/ 31																					5											
30/ 29																					4											
26/ 25																					2											
24/ 23																					1											
TOTAL	13.4	65.3	17.0	1.1	2.2	.7	.4											277	277	277	277											



## PSYCHROMETRIC SUMMARY

JAN

STATION

STATION NAME

YEARS

MONTH

PAGE 1 0300-0500

HOURS 11 S. T. 1

[illegible]

## PSYCHROMETRIC SUMMARY

JAN

HOURS L. S. Y. 1

[illegible]



## PSYCHROMETRIC SUMMARY

PAGE 1 JAN 1200-1400

## PSYCHROMETRIC SUMMARY

JAN  
MONTH

PAGE 1 1500-1700

[illegible]

USAFETAC  
FORM  
JUL 64  
0-26-5 (OL A)  
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

## PSYCHROMETRIC SUMMARY

PAGE 1 JAN MONTH 1800-2000 HOURS L. S. T. 1

[illegible]

USAFETAC  
FORM  
MAY 44  
0-26-5 (OLA)  
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE



## PSYCHROMETRIC SUMMARY

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## PSYCHROMETRIC SUMMARY

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FORM 0-26-5 (OL A)  
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REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

## PSYCHROMETRIC SUMMARY

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USAFETAC 0-26.5 (OL A) FORM JAN 64 REVISED PREVIOUS EDITIONS OF THIS PUBM ARE OBSOLETE

## PSYCHROMETRIC SUMMARY

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STATION	STATION NAME
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YEARS

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PAGE 1 1200-1400

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**USAFETAC**  
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## PSYCHROMETRIC SUMMARY

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USAFETAC  
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0-26-5 (O.L.A.)  
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

## PSYCHROMETRIC SUMMARY

448

STAT ON	STATION NAME
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425

PAGE 1 0000-0200

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL				TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31	D.B.	W.B.	Dry Bulb	Wet Bulb	Dew Pt.	D.B.	W.B.	Dry Bulb	Wet Bulb	Dew Pt.												
74/ 73			.7															2					2																
72/ 71		2.2	1.8	.4														12	12		3	3																	
70/ 69	.4	.7	.7															5	5		10	5																	
68/ 67	.7		1.4															6	6		7	8																	
66/ 65		2.9	1.8	1.1														16	16		1	3																	
64/ 63	.4	1.8	1.1	.7														11	11		14	10																	
62/ 61	.4	2.5	1.8															13	13		14	12																	
60/ 59	4.3	5.7	1.4															32	32		22	18																	
58/ 57	2.5	8.2	2.5	.7						.4								40	40		40	28																	
56/ 55	6.1	12.9	1.8	1.1														61	61		55	46																	
54/ 53	3.9	7.2	5.0	.7														47	47		45	47																	
52/ 51	.4	5.0	1.4															19	19		29	35																	
50/ 49		4.3																12	12		23	33																	
48/ 47					1.1													3	3		13	17																	
46/ 45																											4												
44/ 43																											6												
40/ 39																									3														
36/ 35																											3												
34/ 33																											1												
TOTAL	19.0	33.4	21.3	4.7	1.1	.4													279			279	279																
																			279			279																	



## PSYCHROMETRIC SUMMARY

4 AR

PAGE 1 0300-0500

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL		
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	D.B. W.B.	D.B. W.B.	Wet Bulb Dep. P.	Wet Bulb Dep. P.
72/ 71				1.8	1.1		.4																									9	9			
70/ 69			.4	2.5		.4																										9	9	10	6	
68/ 67			.7	.7	.7																											6	6	9	8	
66/ 65		1.1	1.1	.7		.4																										9	9	9	9	
64/ 63			.4	1.1	.7	.7																										8	8	5	7	
62/ 61				1.4	.7	.4																										7	7	7	5	
60/ 59		3.2	8.2		.4																											33	33	16	14	
58/ 57		5.4	4.7	2.9																												36	36	43	36	
56/ 55			7.2	16.3	.4	.4																										68	68	51	39	
54/ 53		2.2	5.0	5.4	.7																											37	37	43	48	
52/ 51		2.5	6.5	3.9																												36	36	21	35	
50/ 49			6.1	.4																												18	18	49	20	
48/ 47				1.1																												3	3	14	27	
46/ 45																																			14	
44/ 43																																			7	
42/ 41																																			1	
40/ 39																																			2	
38/ 37																																			1	
TOTAL	22.9	55.6	18.6	2.9																													279	279	279	

Element (X)	$\Sigma X^2$	$\Sigma X$	$\bar{X}$	$s^2$	No. Obs.	Mean No. of Hours with Temperature						Total
Rel. Hum.	2319963	25343	90.8	6.030	279	$\leq 0$ F	$\leq 32$ F	$\leq 67$ F	$\geq 73$ F	$\geq 80$ F	$\geq 93$ F	
Dry Bulb	909828	15860	56.8	5.448	279			6.0				93
Wet Bulb	882236	15432	55.3	5.382	279			6.3				93
Dew Point	827840	15104	54.1	6.047	279			4.7				93



## PSYCHROMETRIC SUMMARY

PAGE 1 0900-1100

[illegible]

## PSYCHROMETRIC SUMMARY

PAGE 1 1200-1400

[illegible]

USAFETAC  
FORM  
MIL 44  
0-26.5 (OL A)  
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

## PSYCHROMETRIC SUMMARY

MAR

STATION

STATION NAME

YFARS

PAGE 1 1500-1700

— 22 —

[illegible]

USAFETAC  
FORM  
JUL 84  
0-26-5 (OL A)  
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

## PSYCHROMETRIC SUMMARY

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HOURS: 9-5, T.

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USAFETAC  
FORM 0-26-5 (OL A)  
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

## PSYCHROMETRIC SUMMARY

PAGE 1 2100-2300

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31	D.B. w.B.	Dry Bulb	Wet Bulb	Dew Point														
74/ 73			.4	1.1														4	4																
72/ 71	.4	2.5	2.5															15	15	6	4														
70/ 69		1.1		.4														4	4	6	5														
68/ 67		1.1	1.1	.4														7	7	12	6														
66/ 65		1.8	3.2															14	14	3	7														
64/ 63	.7	1.8	.7	1.8														14	14	14	9														
62/ 61		1.8	.4	.4														7	7	12	11														
60/ 59	2.5	9.0	2.5		.4													40	40	18	22														
58/ 57	5.0	8.2	3.2	1.4	.7													52	52	47	34														
56/ 55	6.8	11.8	1.4	1.8														61	61	51	47														
54/ 53	2.2	7.2	4.3	.7														40	40	48	37														
52/ 51	.4	2.5	.4															9	9	30	39														
50/ 49	.7	2.5			1.1													12	12	26	24														
48/ 47																				5	18														
46/ 45																					6														
44/ 43																					6														
42/ 41																				3	1														
34/ 33																					3														
TOTAL	18.65	1.32	0.1	7.9	2.2													279	279	279	279														

Element (X)	$\Sigma X^2$	$\Sigma X$	$\bar{X}$	$s_x^2$	No. Obs.	Mean No. of Hours with Temperature						Total
Rel. Hum.	2210107	24683	88.5	9.747	279	$\leq 0$ F	$\leq 32$ F	$\geq 67$ F	$\geq 73$ F	$\geq 80$ F	$\geq 93$ F	
Dry Bulb	954226	16284	58.4	5.626	279			10.0	1.3			93
Wet Bulb	893972	15734	56.4	5.582	279			8.0				93
Dew Point	851579	15317	54.9	6.198	279			5.0				93

## PSYCHROMETRIC SUMMARY

APP

PAGE 1 0000-0200  
HOURS 11:51:11

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USAFETAC  
FORM  
AF 44  
0-26-5 (OL A)  
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE



## PSYCHROMETRIC SUMMARY

APR

PAGE 1 0300-0500

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## PSYCHROMETRIC SUMMARY

APR

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PAGE 1 0600-0800

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DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

42218 TAI-CHUNG TAIWAN/CHING CHUAN KANG 69-71

APR

PAGE 1 0900-1100

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Pt.														
88/ 87							.4											2		2															
86/ 85							.4	1.5										5		5															
84/ 83							1.1	1.1										8		8															
82/ 81					.7	1.9	1.1											10		10															
80/ 79						2.2	2.2	2.6										19		19															
78/ 77				1.5	3.0	5.6	1.1	1.5										34		34		2													
76/ 75				1.9	5.2	3.0	1.5	.7	.7									35		35		11													
74/ 73		.7	3.0	3.3	4.4	1.5	.7	.7	.4									40		40		23	4												
72/ 71		1.1	3.3	1.9	3.3	.4	.4											28		28		26	23												
70/ 69		2.6	2.6	1.5	1.5	.7	.4	.4										26		26		53	20												
68/ 67	.4	.7	.7	1.1	1.1	1.1	.7											16		16		34	49												
66/ 65		.4	.7	1.1	.7	.4												9		9		32	33												
64/ 63	.4	.7	1.1		.4													7		7		24	21												
62/ 61	.4	.4	1.5	.7		.4												9		9		14	25												
60/ 59	.4		.7	.4	.4	.7												7		7		16	29												
58/ 57		3.0																8		8		8	17												
56/ 55	.4	.4		.4														3		3		17	10												
54/ 53	.4																	1		1		4	11												
52/ 51				.7														2		2			10												
50/ 49				.4														1		1		3	4												
48/ 47																							2												
46/ 45																						3	6												
44/ 43																						1	5												
40/ 39																																			
TOTAL	2.2	10.0	17.0	22.6	25.9	14.4	5.6	1.9	.4											270		270	270												
																		270				270													

Element (X)	$\Sigma x^2$	$\Sigma x$	$\bar{x}$	$s^2$	No. Obs.	Mean No. of Hours with Temperature						Total
Rel. Hum.	1429731	19351	71.7	12.6	270	$\leq 0 F$	$\leq 32 F$	$\geq 67 F$	$\geq 73 F$	$\geq 80 F$	$\geq 93 F$	
Dry Bulb	1425073	19320	72.3	7.0	270			74.3	51.0	11.3		90
Wet Bulb	1184338	17842	66.1	6.1	270			49.7	12.0			90
Dew Point	1069261	16847	62.4	7.2	270			32.0	1.3			90

## PSYCHROMETRIC SUMMARY

APP

STATION	STATION NAME
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PAGE 1 1200-1400

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## PSYCHROMETRIC SUMMARY

APR

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## PSYCHROMETRIC SUMMARY

APR

STATION STATION NAME

## REFERENCES

**Figure 1**

PAGE 1 1800-2000

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USAFETAC  
FORM  
MM 24  
0-26-5 (OL A)  
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

## PSYCHROMETRIC SUMMARY

429

STATION

STATION NAME

VFADS

4434

PAGE 1 2100-2300

MC-195 5 \*

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USAFETAC  
FORM  
JAN 64  
0-26-5 (UL A)  
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

## PSYCHROMETRIC SUMMARY

44Y

STAT 34

STATE ON NAME

YEARS

1000

PAGE 1 0000-0200

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																														TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Pt.													
84/ 83					.4													1	1															
82/ 81				.4														1	1															
80/ 79		1.4	.7															7	7															
78/ 77		6.1	2.9	1.1	.7													30	30	4														
76/ 75	.4	4.3	6.6	.7														34	34	33	15													
74/ 73	2.2	4.3	12.2															52	52	30	34													
72/ 71	3.6	12.6	5.8	.7			.4											64	64	67	38													
70/ 69	2.5	5.0	2.9															29	29	62	69													
68/ 67	4.0	2.9	4.0	1.4														34	34	32	57													
66/ 65	.7	1.4	2.5															13	13	14	20													
64/ 63		1.8	.4															6	6	13	12													
62/ 61		1.4					.4											5	5	16	12													
60/ 59		.4	.4															2	2	4	11													
58/ 57																				2	7													
56/ 55																					1													
54/ 53																					1													
50/ 49																				1														
40/ 39																					1													
TOTAL	13.34	1.73	8.5	4.7	1.1		.7											278	278	278	278													

Element (X)	$\Sigma x^2$	$\Sigma x$	$\bar{x}$	$s_x$	No. Obs.	Mean No. of Hours with Temperature						Total
Rel. Hum.	2211064	24702	88.9	7.633	278	$\leq 0$ F	$\leq 32$ F	$\geq 67$ F	$\geq 73$ F	$\geq 80$ F	$\geq 93$ F	
Dry Bulb	1442694	19994	71.9	4.122	278			84.3	41.8	1.0		93
Wet Bulb	1333863	19379	69.7	4.239	278			76.3	22.4			93
Dew Point	1310731	19043	68.5	4.763	278			71.3	16.4			93



## PSYCHROMETRIC SUMMARY

PAGE 1 0300-0500

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL			TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31	D.B.	W.B.	Dry Bulb	Wet Bulb	Dew Point															
80/ 79			.7	.4														3		3																	
78/ 77			2.2	2.2	1.4													16		16		2															
76/ 75	2.2	7.9	3.9	.4														40		40		21															
74/ 73		7.9	7.5	1.1														46		46		31															
72/ 71	3.6	11.8	5.0	.4														58		58		48															
70/ 69	4.3	9.7	1.4															43		43		71															
68/ 67	3.6	4.7	3.2	.4														33		33		47															
66/ 65	1.4	1.8	3.9	.4														21		21		23															
64/ 63		1.1	1.4															7		7		13															
62/ 61		2.2	.4	.4														8		8		11															
60/ 59		.4	.4	.7														4		4		6															
58/ 57																						3															
56/ 55																						3															
52/ 51																																					
50/ 49																																					
TOTAL	15.1	50.2	29.7	5.0														279		279		279															

## PSYCHROMETRIC SUMMARY

MAY  
PAGE 1 0600-0800

[illegible]

## PSYCHROMETRIC SUMMARY

PAGE 1 0900-1100

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## PSYCHROMETRIC SUMMARY

488

1901 1902 1903 1904 1905 1906 1907 1908 1909 1910 1911 1912 1913 1914 1915 1916 1917 1918 1919 1920 1921 1922 1923 1924 1925 1926 1927 1928 1929 1930 1931 1932 1933 1934 1935 1936 1937 1938 1939 1940 1941 1942 1943 1944 1945 1946 1947 1948 1949 1950 1951 1952 1953 1954 1955 1956 1957 1958 1959 1960 1961 1962 1963 1964 1965 1966 1967 1968 1969 1970 1971 1972 1973 1974 1975 1976 1977 1978 1979 1980 1981 1982 1983 1984 1985 1986 1987 1988 1989 1990 1991 1992 1993 1994 1995 1996 1997 1998 1999 2000 2001 2002 2003 2004 2005 2006 2007 2008 2009 2010 2011 2012 2013 2014 2015 2016 2017 2018 2019 2020 2021 2022 2023 2024 2025 2026 2027 2028 2029 2030 2031 2032 2033 2034 2035 2036 2037 2038 2039 2040 2041 2042 2043 2044 2045 2046 2047 2048 2049 2050 2051 2052 2053 2054 2055 2056 2057 2058 2059 2060 2061 2062 2063 2064 2065 2066 2067 2068 2069 2070 2071 2072 2073 2074 2075 2076 2077 2078 2079 2080 2081 2082 2083 2084 2085 2086 2087 2088 2089 2090 2091 2092 2093 2094 2095 2096 2097 2098 2099 2100 2101 2102 2103 2104 2105 2106 2107 2108 2109 2110 2111 2112 2113 2114 2115 2116 2117 2118 2119 2120 2121 2122 2123 2124 2125 2126 2127 2128 2129 2130 2131 2132 2133 2134 2135 2136 2137 2138 2139 2140 2141 2142 2143 2144 2145 2146 2147 2148 2149 2150 2151 2152 2153 2154 2155 2156 2157 2158 2159 2160 2161 2162 2163 2164 2165 2166 2167 2168 2169 2170 2171 2172 2173 2174 2175 2176 2177 2178 2179 2180 2181 2182 2183 2184 2185 2186 2187 2188 2189 2190 2191 2192 2193 2194 2195 2196 2197 2198 2199 2200 2201 2202 2203 2204 2205 2206 2207 2208 2209 2210 2211 2212 2213 2214 2215 2216 2217 2218 2219 2220 2221 2222 2223 2224 2225 2226 2227 2228 2229 2230 2231 2232 2233 2234 2235 2236 2237 2238 2239 2240 2241 2242 2243 2244 2245 2246 2247 2248 2249 2250 2251 2252 2253 2254 2255 2256 2257 2258 2259 2260 2261 2262 2263 2264 2265 2266 2267 2268 2269 2270 2271 2272 2273 2274 2275 2276 2277 2278 2279 2280 2281 2282 2283 2284 2285 2286 2287 2288 2289 2290 2291 2292 2293 2294 2295 2296 2297 2298 2299 2300 2301 2302 2303 2304 2305 2306 2307 2308 2309 2310 2311 2312 2313 2314 2315 2316 2317 2318 2319 2320 2321 2322 2323 2324 2325 2326 2327 2328 2329 2330 2331 2332 2333 2334 2335 2336 2337 2338 2339 2340 2341 2342 2343 2344 2345 2346 2347 2348 2349 2350 2351 2352 2353 2354 2355 2356 2357 2358 2359 2360 2361 2362 2363 2364 2365 2366 2367 2368 2369 2370 2371 2372 2373 2374 2375 2376 2377 2378 2379 2380 2381 2382 2383 2384 2385 2386 2387 2388 2389 2390 2391 2392 2393 2394 2395 2396 2397 2398 2399 2400 2401 2402 2403 2404 2405 2406 2407 2408 2409 2410 2411 2412 2413 2414 2415 2416 2417 2418 2419 2420 2421 2422 2423 2424 2425 2426 2427 2428 2429 2430 2431 2432 2433 2434 2435 2436 2437 2438 2439 2440 2441 2442 2443 2444 2445 2446 2447 2448 2449 2450 2451 2452 2453 2454 2455 2456 2457 2458 2459 2460 2461 2462 2463 2464 2465 2466 2467 2468 2469 2470 2471 2472 2473 2474 2475 2476 2477 2478 2479 2480 2481 2482 2483 2484 2485 2486 2487 2488 2489 2490 2491 2492 2493 2494 2495 2496 2497 2498 2499 2500 2501 2502 2503 2504 2505 2506 2507 2508 2509 2510 2511 2512 2513 2514 2515 2516 2517 2518 2519 2520 2521 2522 2523 2524 2525 2526 2527 2528 2529 2530 2531 2532 2533 2534 2535 2536 2537 2538 2539 2540 2541 2542 2543 2544 2545 2546 2547 2548 2549 2550 2551 2552 2553 2554 2555 2556 2557 2558 2559 2560 2561 2562 2563 2564 2565 2566 2567 2568 2569 2570 2571 2572 2573 2574 2575 2576 2577 2578 2579 2580 2581 2582 2583 2584 2585 2586 2587 2588 2589 2590 2591 2592 2593 2594 2595 2596 2597 2598 2599 2600 2601 2602 2603 2604 2605 2606 2607 2608 2609 2610 2611 2612 2613 2614 2615 2616 2617 2618 2619 2620 2621 2622 2623 2624 2625 2626 2627 2628 2629 2630 2631 2632 2633 2634 2635 2636 2637 2638 2639 2640 2641 2642 2643 2644 2645 2646 2647 2648 2649 2650 2651 2652 2653 2654 2655 2656 2657 2658 2659 2660 2661 2662 2663 2664 2665 2666 2667 2668 2669 2670 2671 2672 2673 2674 2675 2676 2677 2678 2679 2680 2681 2682 2683 2684 2685 2686 2687 2688 2689 2690 2691 2692 2693 2694 2695 2696 2697 2698 2699 2700 2701 2702 2703 2704 2705 2706 2707 2708 2709 2710 2711 2712 2713 2714 2715 2716 2717 2718 2719

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## PSYCHROMETRIC SUMMARY

PAGE 1 1500-1700

[illegible]

USAFETAC  
FORM  
JUL 64  
0-26-5 (OL A)  
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

## PSYCHROMETRIC SUMMARY

MAY

MONTH

USAFETAC  
FORM 1  
JUL 64  
0-26-5 (OL A)  
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

## PSYCHROMETRIC SUMMARY

PAGE 1 MAY 2100-2300  
MONTH HOURS

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USAFETAC  
FORM  
JUL 64  
0-26-5 (OL A)  
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

## PSYCHROMETRIC SUMMARY

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USAFETAC  
FORM  
JUL 66  
0-26-5 (OL A)  
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE



42218	TAI-CHUNG TAIWAN/CHING CHUAN KANG	69-71
STATION	STATION NAME	

PAGE 1 0300-0500

USAFETAC  
FORM  
JUL 64  
0-26-5 (OL A)  
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

## PSYCHROMETRIC SUMMARY

PAGE 1 0600-0800

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL			TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31	D.B.	W.B.	Dry Bulb	Wet Bulb	Dew P.															
86/ 85					.7													2						2													
84/ 83		.4	.4	2.2	.7	.7	.7											14						14													
82/ 81			.7	6.7	2.2													26						26		1	1										
80/ 79		.4	2.2	5.2	.7													23						23		1											
78/ 77	.4	4.1	7.8	6.7	1.1													54						54		13	4										
76/ 75	1.1	6.3	12.6	1.1														57						57		54	13										
74/ 73	.7	7.4	7.0	1.9														46						46		78	61										
72/ 71	.7	3.0	3.3															19						19		70	74										
70/ 69	2.6	3.0	.4															16						16		24	63										
68/ 67	2.6	1.1	.4															11						11		21	42										
66/ 65	.4	.4																2						2		4	9										
64/ 63																											3										
TOTAL	6.5	25.9	34.8	23.7	5.6	.7	.7																				270										
																											270										
		</																																			

DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

2218 TAI-CHUNG TAIWAN/CHING CHUAN KANG 69-71

PAGE 1 0900-1100  
 MONTH

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL			TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31	D.B.	W.B.	Dry Bulb	Wet Bulb	Dew Pt.															
90/ 89				.7		.4		.4										4		4																	
88/ 87		.4		.4	1.9	3.0	1.5	.4										20		20																	
86/ 85		.4			1.5	5.9	10.7	2.2	.4									57		57		1															
84/ 83	.4	.4	.7	5.2	7.0	5.2	.7											53		53		5	3														
82/ 81		.4	1.5	7.4	5.9	1.1	.4	.4										46		46		6	4														
80/ 79		.7	1.5	7.4	2.2	.4												33		33		14	6														
78/ 77		2.2	2.2	3.3														21		21		59	15														
76/ 75	.4	1.5	1.1	.4														9		9		83	22														
74/ 73	1.1	1.5	.4															8		8		66	89														
72/ 71	.4	1.9	.4															7		7		17	75														
70/ 69	1.9	1.1																8		8		12	31														
68/ 67	1.1	.4																4		4		7	19														
66/ 65																							5														
62/ 61																							1														
TOTAL	5.2	10.7	7.8	26.3	23.0	20.7	4.8	1.5													270		270														

## PSYCHROMETRIC SUMMARY

4491

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## PSYCHROMETRIC SUMMARY

PAGE 1 1500-1700

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																														TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew P.													
92/ 91				.4				.4	.4									3	3															
90/ 89				.7	.7	1.5	.7	.4										11	11															
88/ 87		.4	.4	.7	1.1	3.7	.4											18	18															
86/ 85			.7	1.5	7.0	5.9	1.1											44	44	5	1													
84/ 83			1.1	7.8	6.7	4.8	.4											56	56	3	5													
82/ 81			1.9	10.4	4.8	1.1												49	49	7	3													
80/ 79			3.0	8.3	1.9													30	30	18	5													
78/ 77			3.3	3.7	.4													20	20	66	17													
76/ 75	.7	1.9	2.2	.4														14	14	79	46													
74/ 73	1.5	.7	.7															8	8	59	85													
72/ 71	.7	1.5																6	6	17	61													
70/ 69	1.1	.4																4	4	9	31													
68/ 67	1.9																	5	5	5	14													
66/ 65	.7																	2	2	2	2													
TOTAL	6.7	4.8	14.1	1.9	23.3	16.3	2.6	.4										270	270	270	270													
																						270	270	270	270									

## PSYCHROMETRIC SUMMARY

PAGE 1 1800-2000

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL			TOTAL		
	C	1-2	3-4	5-6	7-8	9-10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	DB	WB	D.	B.	Wet Bulb	Dew P.				
86/ 85			1.9	.4	.7	.7																						10	10								
84/ 83			2.2	4.1	2.6	1.5																						29	28								
82/ 81			3.3	7.4	.4	.7																						37	32	5							
80/ 79		3.0	6.7	9.6		.4																						53	53	7	6						
78/ 77	.4	5.6	14.8	5.9	.4	.4																						74	74	35	11						
76/ 75	.4	2.6	8.1	.4	.7	.4																						33	33	70	30						
74/ 73	.4	1.1	2.6	.4																								12	12	83	75						
72/ 71	3.0	1.9	1.5																									17	17	41	81						
70/ 69	1.1																											3	3	18	40						
68/ 67	1.1	.7																										5	5	5	17						
66/ 65	1.1																											3	3	4	9						
64/ 63																																	1				
TOTAL	7.4	14.9	1.1	28.1	4.8	3.7																									270	270		270			
																													270		270						

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

42218 TAI-CHUNG TAIWAN/CHING CHUAN KANG 69-71

JUN

PAGE 1 2100-2300

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL D.B. W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31																			
82/ 81			1.1	.4														4	4																	
80/ 79	.4	3.0	4.1	1.9														25	25																	
78/ 77	.7	8.1	17.8	2.6														79	79																	
76/ 75		6.3	22.2	.4														74	78																	
74/ 73	2.6	3.7	7.8	1.9														43	43																	
72/ 71	1.5	4.1	3.3															24	24																	
70/ 69	1.5	1.3																8	8																	
68/ 67	1.9	.7																7	7																	
66/ 65	.4	.4																2	2																	
64/ 63																																				
TOTAL	8.9	27.8	56.3	7.0														270	270																	
																		270																	270	

Element (X)	$\Sigma x^2$	$\Sigma x$	$\bar{x}$	$s^2$	No. Obs.	Mean No. of Hours with Temperature						Total
Rel. Hum.	2089409	23695	87.8	6.081	270	$\leq 0$ F	$\leq 32$ F	$\geq 67$ F	$\geq 73$ F	$\geq 80$ F	$\geq 93$ F	90
Dry Bulb	1931270	20318	75.3	2.929	270			89.3	76.3	4.3		90
Wet Bulb	1423059	19603	72.6	2.593	270			89.0	48.3			90
Dew Point	1280750	19294	71.5	2.737	270			85.7	33.0			90

DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

42218 TAI-CHUNG TAIWAN/CHING CHUAN KANG 69-71

JUL

STATION

STATION NAME

YEARS

PAGE 1 0000-0200

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31	D.B.	W.B.	Dr. Bulb	Wet Bulb	Dew Point													
84/ 83				1.1			.4											4												4		4			
82/ 81		2.2	2.2	2.5	.4													20												20		20			
80/ 79	1.8	9.0	2.9	.7														40												40		13	11		
78/ 77	4.3	20.1	4.3	1.8														85												85		47	30		
76/ 75	5.7	17.2	10.8	.4														95												95		118	76		
74/ 73	3.2	4.3	4.7															34												34		63	90		
72/ 71	.4																	1												1		34	43		
70/ 69																																	4	27	
68/ 67																																		2	
TOTAL	15.4	52.7	24.7	6.5	.4		.4																								279		279	279	
																		279													279		279		
																													</						

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

Element (X)	$\Sigma x^2$	$\Sigma x$	$\bar{x}$	$s^2$	No. Obs.	Mean No. of Hours with Temperature						Total
Rel. Hum.	2312774	25336	90.8	6.573	279	$\leq 0$ F	$\leq 32$ F	$\geq 67$ F	$\geq 73$ F	$\geq 80$ F	$\geq 93$ F	93
Dry Bulb	1650420	21450	76.9	2.168	279			93.0	92.7	10.0		93
Wet Bulb	1569236	20916	75.0	2.104	279			93.0	80.3			93
Dew Point	1531991	20663	74.1	2.481	279			93.0	69.0			93



## PSYCHROMETRIC SUMMARY

JUL

PAGE 1 0300-0500

Temp. (F)	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	TOTAL DR W B D L R	TOTAL W B D L R		
62/ 81		.7	.4	.4				.4																					5	5		
80/ 79	1.1	3.9	2.2	.7			.4																						23	23	6	5
78/ 77	4.3	15.4	3.6	1.4																									69	69	25	23
76/ 75	9.0	19.4	7.2	.7																									101	101	88	68
74/ 73	4.7	16.1	4.7																										71	71	83	84
72/ 71	1.4	2.2																											10	10	60	67
70/ 69																															15	27
68/ 67																																4
66/ 65																																1
TOTAL	20.4	57.7	17.9	3.2	.4	.4																							279	279	279	279
																													279		279	
															</																	

## PSYCHROMETRIC SUMMARY

PAGE 1 0600-0800  
HOURS S.S.T.

[illegible]

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

## PSYCHROMETRIC SUMMARY

PAGE 1 0900-1100  
HOURS

[illegible]

USAFETAC FORM 0-26.5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

42218 TAI-CHUNG TAIWAN/CHING CHUAN KANG 69-71

JUL

PAGE 1 1200-1400

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL D.B. W.B.	TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31	Dry Bulb	Wet Bulb	Dew F.														
102/101											.4																				1	1		
98/ 97											.7																				2	2		
96/ 95											.4																				4	4		
94/ 93				.4		1.8	3.2	2.2	.4																						22	22		
92/ 91				.7	3.2	5.4	3.6	.4																							37	37		
90/ 89					2.9	5.4	1.4	.7																							29	29		
88/ 87				.4	5.7	14.0	2.5	1.8																							68	68	3	
86/ 85			.4	1.8	14.7	10.8	1.8																								82	82	3	
84/ 83			.7	2.2	1.4																										12	12	23	
82/ 81			1.4	1.1	.4	.4																									9	9	40	
80/ 79		.4	.4	.4																											3	3	85	
78/ 77		1.1			.4																										4	4	85	
76/ 75			.4																												1	1	30	
74/ 73		.7	.4																												3	3	8	
72/ 71		.4																													1	1	1	
70/ 69	.4																														1	1	4	
68/ 67																																		
66/ 65																																		
TOTAL	.4	2.5	3.6	6.8	28.7	37.6	12.5	6.1	.4	1.4																					279	279	279	

Element (X)	$\Sigma x^2$	$\Sigma x$	$\bar{x}$	$s^2$	No. Obs.	Mean No. of Hours with Temperature						Total
Rel. Hum.	1287676	18810	67.4	8.379	279	$\leq 0$ F	$\leq 32$ F	$\geq 67$ F	$\geq 73$ F	$\geq 80$ F	$\geq 93$ F	93
Dry Bulb	2145830	24440	87.6	4.267	279			93.0	92.3	89.3	9.7	93
Wet Bulb	1733372	21978	78.8	2.730	279			93.0	91.3	33.0		93
Dew Point	1593593	21069	75.5	3.026	279			92.7	78.3	6.7		93

## PSYCHROMETRIC SUMMARY

PAGE 1 JUL  
MONTH 1500-1700  
HOURS U. S. T.

USAFETAC  
FORM JUL 64  
0-26-5 (OL A)  
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/HAC

# PSYCHROMETRIC SUMMARY

2218 TAI-CHUNG TAIWAN/CHING CHUAN KANG 69-71

STATION

STATION NAME

YEARS

JUL

MONTH

PAGE 1 1800-2000

HOURS

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31	D.B.	W.B.	Dry Bulb	Wet Bulb	Dew Pt.															
90/ 89					.7	.4	.4											4		4																	
88/ 87		.4		.4	2.2	.7												10		10																	
85/ 85			2.5	3.6	4.0	2.9												36		36																1	
84/ 83			6.1	10.4	3.2	3.2												64		64																1	
82/ 81		.4	7.2	4.0	2.2													38		38																18	
80/ 79		6.8	8.6	7.2	1.1													66		66																36	
78/ 77	1.1	5.8	5.0	4.0														44		44																79	
76/ 75			1.6															5		5																73	
74/ 73	1.4	1.1	1.4															11		11																56	
72/ 71																																					12
70/ 69																																					2
68/ 67																																					1
TOTAL	2.5	14.4	32.7	29.5	13.3	7.2	.4											278		278																276	

Element (X)	$\Sigma X'$	$\Sigma X$	$\bar{X}$	$s_x$	No. Obs.	Mean No. of Hours with Temperature						Total
Rel. Hum.	1809237	22303	89.2	8.483	278	$\leq 0$ F	$\leq 32$ F	$\geq 67$ F	$\geq 73$ F	$\geq 80$ F	$\geq 93$ F	
Dry Bulb	1835808	22570	81.2	3.407	278			93.0	93.0	61.9		93
Wet Bulb	1626313	21291	76.4	2.973	278			93.0	88.3	11.4		93
Dew Point	1547776	20728	74.6	2.864	278			93.0	67.2	1.7		93

Element (X)	$\Sigma X^2$	$\Sigma X$	$\bar{X}$	$\sigma_x$	No. Obs.	Mean No. of Hours with Temperature						Total
Rel. Hum.	1809237	22303	80.2	8.483	278	$\leq 0 F$	$\leq 32 F$	$\geq 67 F$	$\geq 73 F$	$\geq 80 F$	$\geq 93 F$	93
Dry Bulb	1835608	22370	81.2	9.407	278			93.0	93.0	61.9		93
Wet Bulb	1626313	21291	76.4	2.573	278			93.0	88.3	11.4		93
Dew Point	1547776	20728	74.6	2.864	278			93.0	67.2	1.7		93

42218	TAI-CHUNG TAIWAN/CHING CHUAN KANG	69-71
STATION	STATION NAME	

PAGE 1 2100-2300

USAFETAC  
FORM  
JAN 84  
0-26.5 (OL A)  
REVISED PREVIOUS EDITIONS (IF THIS FORM AND SUBSIDIARY

## PSYCHROMETRIC SUMMARY

AUG  
MONTH  
PAGE 1 0000-0200  
HOURS S. T.

[illegible]



## PSYCHROMETRIC SUMMARY

ΔΥΓ.

YEARS

400

NO. 100

USAFETAC  
FORM  
JUL 64  
0-26-5 (OL A)  
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE



## PSYCHROMETRIC SUMMARY

PAGE 1 0900-1100

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																												TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31	DB	WB	Dr.	Bulb	WB	Bulb	Dew P.								
92/ 91						.7	.4											3		3												
90/ 89						.4	1.1	1.1										7		7												
88/ 87					5.0	7.7	.7	.4										39		39												
86/ 85		.4	.4	3.2	16.1	7.9	.4											79		79												
84/ 83			3.2	15.1	4.3	3.2												72		72		1			1							
82/ 81			3.6	7.9	2.2	.7												40		40		4										
80/ 79		.7	2.5	3.2	.4													19		19		58			3							
78/ 77		1.1	1.1	.4														7		7		119			57							
76/ 75	1.4	2.5	.4															12		12		75			93							
74/ 73		.4																1		1		19			78							
72/ 71																						3			37							
70/ 69																									7							
68/ 67																									3							
TOTAL	1.4	5.0	11.1	29.7	28.0	20.8	2.5	1.4										279		279					279							

USAFETAC  
PC 2004  
N.Y. 04  
0265 (U L A)  
RECEIVED PRESIDENT'S ELECTIONS - 10 TUES PM 1000 AED - 10-2-78



## PSYCHROMETRIC SUMMARY

Aug;

STAT-ON

STATION NAME

YEARS

PAGE 1 1500-1700

— 2025 —

[illegible]

REVISED PREVIOUS EDITIONS OF THIS FILM ARE OBSOLETE

**0-26-5 (OL A)**

WFOH

**USAFETAC**

## PSYCHROMETRIC SUMMARY

AUG

STATION

STATION NAME

Y F A E S

54247 =

**RESEARCH**

[illegible]

## PSYCHROMETRIC SUMMARY

Δ JG

PAGE 1 2100-2300  
H285 L.S.T.

[illegible]

USAFETAC  
FORM 0-26-5 (OL A)  
JUL 64  
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

## PSYCHROMETRIC SUMMARY

54 P

STATION

STATION NAME

YEARS

## Mini

PAGE 1 0000-0200

HOURS 5.7

[illegible]

USAFETAC FORM 0-26-5 (OL A)  
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE



## PSYCHROMETRIC SUMMARY

SEP  
MAY 14  
PAGE 1 0300-0500  
NO. 85 S. T.

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point														
80/ 79			.4															1	1																
78/ 77	1.5	7.4		1.5	1.1													31	31	6	6														
76/ 75	12.2	18.5	9.6	1.5														113	113	68	49														
74/ 73	13.0	11.1	5.2	.4														80	80	87	90														
72/ 71	7.8	3.7	1.1															34	34	70	70														
70/ 69	.7	2.2																8	8	32	28														
68/ 67		.4	.7															3	3	4	22														
66/ 65																				3	2														
64/ 63																					3														
TOTAL	35.2	3.7	18.1	3.0															270		270														
																		270		270															

## PSYCHROMETRIC SUMMARY

PAGE 1 0600-0800  
SEP 19 1964  
HQS 15-100-50-1

USAFETAC  
FORM  
JUL 84  
0-26-5 (OL A)  
REVISED PREVIOUS EDITIONS (IF THIS FORM ARE OBSOLETE)

## PSYCHROMETRIC SUMMARY

PAGE 1 0900-1100  
HOURS - L. S. T.

[illegible]

JSAFETAC  
FORM  
JUL 64  
0-26.5 (OL A)  
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE



## PSYCHROMETRIC SUMMARY

SFP

STATION	STATION NAME
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YEARS

454

PAGE 1 1500-1700

1997, 1998, 1999, 2000, 2001, 2002, 2003, 2004, 2005, 2006, 2007, 2008, 2009, 2010, 2011, 2012, 2013, 2014, 2015, 2016, 2017, 2018, 2019, 2020, 2021, 2022, 2023, 2024, 2025, 2026, 2027, 2028, 2029, 2030, 2031, 2032, 2033, 2034, 2035, 2036, 2037, 2038, 2039, 2040, 2041, 2042, 2043, 2044, 2045, 2046, 2047, 2048, 2049, 2050, 2051, 2052, 2053, 2054, 2055, 2056, 2057, 2058, 2059, 2060, 2061, 2062, 2063, 2064, 2065, 2066, 2067, 2068, 2069, 2070, 2071, 2072, 2073, 2074, 2075, 2076, 2077, 2078, 2079, 2080, 2081, 2082, 2083, 2084, 2085, 2086, 2087, 2088, 2089, 2090, 2091, 2092, 2093, 2094, 2095, 2096, 2097, 2098, 2099, 2100, 2101, 2102, 2103, 2104, 2105, 2106, 2107, 2108, 2109, 2110, 2111, 2112, 2113, 2114, 2115, 2116, 2117, 2118, 2119, 2120, 2121, 2122, 2123, 2124, 2125, 2126, 2127, 2128, 2129, 2130, 2131, 2132, 2133, 2134, 2135, 2136, 2137, 2138, 2139, 2140, 2141, 2142, 2143, 2144, 2145, 2146, 2147, 2148, 2149, 2150, 2151, 2152, 2153, 2154, 2155, 2156, 2157, 2158, 2159, 2160, 2161, 2162, 2163, 2164, 2165, 2166, 2167, 2168, 2169, 2170, 2171, 2172, 2173, 2174, 2175, 2176, 2177, 2178, 2179, 2180, 2181, 2182, 2183, 2184, 2185, 2186, 2187, 2188, 2189, 2190, 2191, 2192, 2193, 2194, 2195, 2196, 2197, 2198, 2199, 2200, 2201, 2202, 2203, 2204, 2205, 2206, 2207, 2208, 2209, 2210, 2211, 2212, 2213, 2214, 2215, 2216, 2217, 2218, 2219, 2220, 2221, 2222, 2223, 2224, 2225, 2226, 2227, 2228, 2229, 2230, 2231, 2232, 2233, 2234, 2235, 2236, 2237, 2238, 2239, 2240, 2241, 2242, 2243, 2244, 2245, 2246, 2247, 2248, 2249, 2250, 2251, 2252, 2253, 2254, 2255, 2256, 2257, 2258, 2259, 2260, 2261, 2262, 2263, 2264, 2265, 2266, 2267, 2268, 2269, 2270, 2271, 2272, 2273, 2274, 2275, 2276, 2277, 2278, 2279, 2280, 2281, 2282, 2283, 2284, 2285, 2286, 2287, 2288, 2289, 2290, 2291, 2292, 2293, 2294, 2295, 2296, 2297, 2298, 2299, 2300, 2301, 2302, 2303, 2304, 2305, 2306, 2307, 2308, 2309, 2310, 2311, 2312, 2313, 2314, 2315, 2316, 2317, 2318, 2319, 2320, 2321, 2322, 2323, 2324, 2325, 2326, 2327, 2328, 2329, 2330, 2331, 2332, 2333, 2334, 2335, 2336, 2337, 2338, 2339, 2340, 2341, 2342, 2343, 2344, 2345, 2346, 2347, 2348, 2349, 2350, 2351, 2352, 2353, 2354, 2355, 2356, 2357, 2358, 2359, 2360, 2361, 2362, 2363, 2364, 2365, 2366, 2367, 2368, 2369, 2370, 2371, 2372, 2373, 2374, 2375, 2376, 2377, 2378, 2379, 2380, 2381, 2382, 2383, 2384, 2385, 2386, 2387, 2388, 2389, 2390, 2391, 2392, 2393, 2394, 2395, 2396, 2397, 2398, 2399, 2400, 2401, 2402, 2403, 2404, 2405, 2406, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 2417, 2418, 2419, 2420, 2421, 2422, 2423, 2424, 2425, 2426, 2427, 2428, 2429, 2430, 2431, 2432, 2433, 2434, 2435, 2436, 2437, 2438, 2439, 2440, 2441, 2442, 2443, 2444, 2445, 2446, 2447, 2448, 2449, 2450, 2451, 2452, 2453, 2454, 2455, 2456, 2457, 2458, 2459, 2460, 2461, 2462, 2463, 2464, 2465, 2466, 2467, 2468, 2469, 2470, 2471, 2472, 2473, 2474, 2475, 2476, 2477, 2478, 2479, 2480, 2481, 2482, 2483, 2484, 2485, 2486, 2487, 2488, 2489, 2490, 2491, 2492, 2493, 2494, 2495, 2496, 2497, 2498, 2499, 2500, 2501, 2502, 2503, 2504, 2505, 2506, 2507, 2508, 2509, 2510, 2511, 2512, 2513, 2514, 2515, 2516, 2517, 2518, 2519, 2520, 2521, 2522, 2523, 2524, 2525, 2526, 2527, 2528, 2529, 2530, 2531, 2532, 2533, 2534, 2535, 2536, 2537, 2538, 2539, 2540, 2541, 2542, 2543, 2544, 2545, 2546, 2547, 2548, 2549, 2550, 2551, 2552, 2553, 2554, 2555, 2556, 2557, 2558, 2559, 2560, 2561, 2562, 2563, 2564, 2565, 2566, 2567, 2568, 2569, 2570, 2571, 2572, 2573, 2574, 2575, 2576, 2577, 2578, 2579, 2580, 2581, 2582, 2583, 2584, 2585, 2586, 2587, 2588, 2589, 2590, 2591, 2592, 2593, 2594, 2595, 2596, 2597, 2598, 2599, 2600, 2601, 2602, 2603, 2604, 2605, 2606, 2607, 2608, 2609, 2610, 2611, 2612, 2613, 2614, 2615, 2616, 2617, 2618, 2619, 2620, 2621, 2622, 2623, 2624, 2625, 2626, 2627, 2628, 2629, 2630, 2631, 2632, 2633, 2634, 2635, 2636, 2637, 2638, 2639, 2640, 2641, 2642, 2643, 2644, 2645, 2646, 2647, 2648, 2649, 2650, 2651, 2652, 2653, 2654, 2655, 2656, 2657, 2658, 2659, 2660, 2661, 2662, 2663, 2664, 2665, 2666, 2667, 2668, 2669, 2670, 2671, 2672, 2673, 2674, 2675, 2676, 2677, 2678, 26

USAFETAC  
FORM  
JUL 64  
0-26.5 (QLA)  
REVISIO PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE



## PSYCHROMETRIC SUMMARY

PAGE 1 2100-2300

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point														
86/ 85					.4													1	1																
84/ 83																		1	1																
82/ 81			.7	1.1														5	5																
80/ 79		3.7	2.2	.4	.4													18	18	3															
78/ 77	3.0	18.5	8.9	1.9														87	87	26	19														
76/ 75	14.4	10.7	1.1	1.9														103	103	101	91														
74/ 73	5.6	4.1	4.1															37	37	70	70														
72/ 71	1.5	2.6	.7															13	13	47	46														
70/ 69		.7																2	2	17	29														
68/ 67		.4	.7															3	3	3	8														
66/ 65																				3	5														
64/ 63																					2														
TOTAL	74.4	40.7	28.5	5.6	.7													270	270	270	270														

## PSYCHROMETRIC SUMMARY

OCT

PAGE 1 0000-0200

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL				TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31	D.B.	W.B.	Dry Bulb	Wet Bulb	Dew Po																	
78/ 77		1.1																3			3																		
76/ 75	2.2	2.5	2.9															21	21	15		9																	
74/ 73	2.2	4.7	5.7	.4														36	36	18		13																	
72/ 71		4.7	3.6	.4														24	24	24		20																	
70/ 69	1.4	11.1	3.6		.7													47	47	35		26																	
68/ 67	1.4	15.1	6.8		.4													66	66	50		57																	
66/ 65	1.4	7.9	2.2	.7														34	34	56		48																	
64/ 63	1.1	3.2	5.4	1.8														32	32	29		38																	
62/ 61		1.4	2.5	.7														13	13	16		20																	
60/ 59			1.1															3	3	25		10																	
58/ 57																					6	18																	
56/ 55																					4	10																	
54/ 53																					1	4																	
52/ 51																						4																	
50/ 49																						2																	
TOTAL	9.75	1.63	2.6	5.0	1.1															279		279																	
																					279																		

Element (X)	Σ x'	Σ x	Σ	Σ <sup>2</sup>	No. Obs.	Mean No. of Hours with Temperature							Total
Rel. Hum.	2213113	24761	88.7	7.490	279	≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F		
Dry Bulb	1320460	19160	68.7	4.101	279			65.7	20.0			93	
Wet Bulb	1243356	18580	66.6	4.484	279			47.3	11.0			93	
Dew Point	1197251	18219	65.3	5.382	279			41.7	7.3			93	

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE





DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

42218 TAI-CHUNG TAIWAN/CHING CHUAN KANG 69-71

OCT

PAGE 1 0600-0800

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	>31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point														
80/ 79		.4	.7	.7	.4													6		6															
78/ 77		.7	.4	.7														5		5	1	1													
76/ 75	.7	3.9	3.6	1.1														26		26	12	2													
74/ 73	.7	1.1	8.2	1.4														32		32	17	18													
72/ 71	.4	5.0	6.5	1.8		.4												39		39	29	11													
70/ 69	1.4	1.1	4.7	.7	1.4			.4										55		55	48	36													
68/ 67	1.1	1.1	7.2	1.1	.4					.4								58		58	56	67													
66/ 65	.7	5.4	2.2	2.5														30		30	39	48													
64/ 63		1.4	2.9	1.8														17		17	36	37													
62/ 61		.7	1.1	.7	.4													8		8	10	15													
60/ 59				.7	.4													3		3	20	5													
58/ 57																					5	11													
56/ 55																					3	16													
54/ 53																					3	4													
52/ 51																						2													
50/ 49																						3													
48/ 47																						2													
46/ 45																						1													
TOTAL	5.0	40.9	37.3	13.3	2.9	.4		.4												279	279	279													

Element (X)	$\Sigma x^2$	$\Sigma x$	$\bar{x}$	$s_x$	No. Obs.	Mean No. of Hours with Temperature						Total
Rel. Hum.	2078611	23951	83.8	8.999	279	$\leq 0$ F	$\leq 32$ F	$\leq 67$ F	$\leq 73$ F	$\leq 80$ F	$\leq 93$ F	93
Dry Bulb	1359701	19443	69.7	4.133	279				73.7	23.0		93
Wet Bulb	1256157	18677	66.9	4.394	279				54.2	10.0		93
Dew Point	1198060	18218	65.3	3.519	279				45.0	7.0		93







## PSYCHROMETRIC SUMMARY

25

PAGE 1 1800-2000

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																												TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	> 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew P.											
82/ 81				.4														1	1													
80/ 79				.7														4	4													
78/ 77		3.9	2.2	.4														19	19													
76/ 75		2.9	7.2	1.8														38	38	18	6											
74/ 73	.4	2.2	5.7	2.5	.7	1.1												33	33	22	16											
72/ 71	.7	3.9	6.8	1.8	.4													38	38	31	24											
70/ 69	.4	7.2	5.4	.7														38	38	44	26											
68/ 67		10.4	6.1	1.8	.7	.4												54	54	48	52											
66/ 65	.7	5.0	4.3	.7	.4													31	31	51	50											
64/ 63		1.4	2.5	1.4														15	15	24	33											
62/ 61		.7	.7	.7														6	6	18	22											
60/ 59			.4	.4														2	2	13	18											
58/ 57																				6	12											
56/ 55																				4	5											
54/ 53																				5	6											
52/ 51																				5	6											
TOTAL	2.2	37.6	1.9	13.3	3.2	1.8												279	279	279	279											

Element (X)	$\Sigma x'$	$\Sigma x$	$\bar{x}$	$s_x$	No. Obs.	Mean No. of Hours with Temperature						Total
Rel. Hum.	2008537	23551	84.4	8.596	279	$\leq 0$ F	$\leq 32$ F	$\leq 67$ F	$\leq 73$ F	$\leq 80$ F	$\leq 93$ F	
Dry Bulb	1390045	19655	70.4	4.402	279			75.0	31.7	.3		93
Wet Bulb	1272356	18798	67.4	4.373	279			54.3	13.3			93
Dew Point	1207236	18294	65.6	3.263	279			42.7	8.0			93

**JSAFETAC**  
PUBS  
JUL 88  
0265 (OL A)  
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE







## PSYCHROMETRIC SUMMARY

NDV

[illegible]USAFETAC  
FORM  
MIL 44  
0-26-5 (OL A)  
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE



## PSYCHROMETRIC SUMMARY

PAGE 1 0900-1100

USAFETAC  
0-26-5 (QLA)  
PL 98-609  
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

## PSYCHROMETRIC SUMMARY

14 JV

Y. L. APS

100

[illegible]

## PSYCHROMETRIC SUMMARY

PAGE 1 1500-1700

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL								
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Po																					
82/ 81						.7	.4											3	3																							
80/ 79				1.5	1.1	.7												9	9																							
78/ 77				3.3	3.0	1.1	.7	.4										23	23																							
76/ 75			1.5	4.4	3.0	1.5	.7	.4										31	31																							
74/ 73			3.3	4.4	3.0	1.9												34	34	7																						
72/ 71		.4	4.4	1.5	4.4	1.9	.4											35	35	24	2																					
70/ 69		1.1	4.1	4.1	3.0													33	33	31	21																					
68/ 67		1.5	3.7	3.0	3.0													30	30	39	26																					
66/ 65		1.5	3.0	2.6	.7	.4												22	22	38	33																					
64/ 63	.4	.7	3.7	1.5	.4													18	18	47	34																					
62/ 61		.7	3.0	1.5	.4													15	15	27	24																					
60/ 59		1.5	3.3	1.1														16	16	24	42																					
58/ 57		.4																1	1	26	35																					
56/ 55																				13	27																					
54/ 53																					15																					
52/ 51																					8																					
50/ 49																					3																					
TOTAL	.4	7.8	10.0	28.9	21.9	8.1	2.2	.4	.4									270	270	270	270																					
																						270		270		270																



## PSYCHROMETRIC SUMMARY

257

STAT 28

STATION NAME

•  $\frac{1}{2} \lambda_{\text{max}} \leq \lambda \leq \frac{3}{2} \lambda_{\text{max}}$

PAGE 1 2100-2300

## PSYCHROMETRIC SUMMARY

REC

PAGE 1 0000-0200

USAFETAC  
FORM  
NO. 24  
2-26-5 (OL. A)  
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE



AD-A088 957

AIR FORCE ENVIRONMENTAL TECHNICAL APPLICATIONS CENTER--ETC F/6 4/2  
CHING CHUAN KANG AB, KUNG KUAN, FORMOSA. REVISED UNIFORM SUMMAR--ETC(U)  
APR 72

UNCLASSIFIED USAFETAC/DS-80/083

NL

5

END  
DTIC  
10-80  
DTIC

2

PLARS

DEC

HOURS - L. S. T.

USAFETAC  
FORM 0-26-5 (OL A)  
JUL 64  
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

## PSYCHROMETRIC SUMMARY

DEC

PAGE 1 0600-0800  
HOURS U. S. T. I.

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point														
70/ 69			.4															1	1																
68/ 67			.4															1	1																
66/ 65		4.4		.4														13	13		1														
64/ 63	3.3	6.2	.4															27	27	24	15														
62/ 61	5.5	10.3	1.8	.7														50	50	38	37														
60/ 59	2.2	9.2	1.1															34	34	32	30														
58/ 57	1.1	15.4	2.9		.4													54	54	44	26														
56/ 55	.7	11.4	2.9															41	41	49	34														
54/ 53	1.8	2.6	4.0	.4														24	24	32	51														
52/ 51	.4	1.1	4.8															17	17	20	26														
50/ 49	.4	.4	.7	1.1														7	7	11	22														
48/ 47			1.1															3	3	13	8														
46/ 45				.4														1	1		5														
44/ 43																				1	7														
42/ 41																				1	5														
40/ 39																					4														
38/ 37																					1														
36/ 35																					1														
TOTAL	15.4	60.8	20.5	2.9	.4													273	273	273	273														
																						273	273	273	273										

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE



## PSYCHROMETRIC SUMMARY

PAGE 1

## PSYCHROMETRIC SUMMARY

DEC

PAGE 1      1500-1700  
HOURS 15 - 5 - 1

USAFETAC FORM 0-26-5 (O.L.A.) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

## PSYCHROMETRIC SUMMARY

DEC

PAGE 1 1800-2000  
HOURS (L.S.T.)

[illegible]

**USAFETAC**  
FORM  
0-26-5 (OL A)  
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

## PSYCHROMETRIC SUMMARY

DEC

STATION

STATION NAME

YEARS

MONTH

PAGE 1 2100-2300

HOURS 11 S.T.

USAFETAC  
FORM  
JUL 94  
0-26-5 (OL A)  
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE



DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# MEANS AND STANDARD DEVIATIONS

DRY-BULB TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

42218 TAI-CHUNG TAIWAN/CHING CHUAN KANG 69-71

STATION	STATION NAME	YEARS												
HRS LST		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
00-02	MEAN	54.3	54.7	57.8	63.0	71.9	74.4	76.9	76.7	75.2	68.7	63.1	58.3	66.5
	S D	6.049	5.415	5.471	6.156	4.122	2.731	2.168	1.928	2.034	4.101	3.761	4.208	9.329
	TOTAL OBS	277	252	279	270	278	270	279	279	270	279	270	276	3279
03-05	MEAN	53.7	54.0	56.8	64.1	70.9	73.3	75.6	75.6	74.2	68.0	62.2	57.2	65.5
	S D	5.854	5.339	5.448	6.124	4.005	2.605	2.191	1.947	2.039	3.902	3.741	3.975	9.170
	TOTAL OBS	279	252	279	270	279	270	279	279	270	279	270	276	3282
06-08	MEAN	54.0	54.4	57.3	63.8	73.3	75.9	78.6	77.6	75.9	69.7	63.6	58.1	67.1
	S D	5.681	5.605	5.568	6.493	4.270	3.900	3.143	2.709	2.912	4.135	4.013	4.094	10.027
	TOTAL OBS	279	252	279	270	279	270	279	279	270	279	270	273	3279
09-11	MEAN	59.4	61.2	63.3	72.3	79.2	81.6	85.1	83.9	81.5	76.2	70.4	64.2	73.3
	S D	6.957	7.349	8.135	7.070	5.343	4.779	3.664	3.140	4.187	4.853	5.332	4.932	10.602
	TOTAL OBS	279	252	279	270	279	270	279	279	270	279	270	273	3279
12-14	MEAN	63.3	65.1	66.5	75.1	81.6	83.5	87.6	86.8	83.9	78.9	74.1	67.7	76.2
	S D	7.440	7.685	8.511	6.749	5.585	4.893	4.207	3.453	4.621	5.115	5.704	5.138	10.301
	TOTAL OBS	279	252	279	270	279	270	279	279	270	279	270	273	3279
15-17	MEAN	60.4	62.7	63.8	72.7	79.7	81.7	86.0	84.9	82.3	75.4	70.1	64.2	73.7
	S D	7.366	7.522	7.862	7.236	5.576	4.961	3.829	4.185	4.381	5.392	5.472	5.020	10.670
	TOTAL OBS	279	252	279	270	279	270	279	279	270	279	270	273	3279
18-20	MEAN	55.9	57.4	59.9	67.8	75.4	78.0	81.2	80.2	77.7	70.4	65.2	60.3	69.2
	S D	6.428	5.606	6.205	6.585	5.034	3.885	3.407	3.321	3.039	4.402	4.187	4.307	10.151
	TOTAL OBS	279	252	279	270	279	270	278	279	270	279	270	273	3278
21-23	MEAN	54.3	55.8	58.4	66.1	72.8	75.3	78.0	77.6	75.8	68.5	63.4	58.7	67.1
	S D	6.460	5.017	5.626	6.359	4.517	2.925	2.339	2.147	2.417	4.155	4.098	4.392	9.551
	TOTAL OBS	279	252	279	270	279	270	279	279	270	279	270	272	3278
ALL HOURS	MEAN	56.9	58.1	60.5	68.6	75.6	77.9	81.1	80.4	78.3	72.0	66.3	61.1	69.8
	S D	7.383	7.434	7.502	7.656	6.134	5.331	5.337	4.948	4.816	5.994	6.183	5.746	10.671
	TOTAL OBS	2220	2016	2232	2160	2231	2160	2231	2232	2160	2232	2160	2189	26223

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## MEANS AND STANDARD DEVIATIONS

WET-BULB TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

42218 TAI-CHUNG TAIWAN/CHING CHUAN KANG 69-71

STATION	STATION NAME	YEARS												
HRS L S		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
00-02	MEAN	52.5	52.8	56.0	62.9	69.7	72.3	75.0	75.0	73.9	66.6	60.8	56.8	64.6
	S D	6.747	5.856	5.553	6.192	4.239	2.376	2.104	1.790	2.188	4.654	4.035	4.812	9.438
	TOTAL OBS	277	252	279	270	278	270	279	279	270	279	270	276	3279
03-05	MEAN	52.0	52.1	55.3	62.1	69.0	71.3	74.1	74.0	73.0	65.9	59.8	55.9	63.8
	S D	6.608	5.769	5.582	6.170	4.202	2.320	2.166	1.841	2.251	4.624	4.029	4.645	9.348
	TOTAL OBS	279	252	279	270	279	270	279	279	270	279	270	276	3282
06-08	MEAN	52.1	52.4	55.7	63.0	70.2	72.6	75.4	74.9	73.9	66.9	60.6	56.3	64.6
	S D	6.448	5.845	5.433	6.198	4.159	2.727	2.073	2.068	2.439	4.594	4.181	4.761	9.655
	TOTAL OBS	279	252	279	270	279	270	279	279	270	279	270	273	3279
09-11	MEAN	55.2	56.2	58.9	66.1	72.3	75.2	77.4	77.2	76.2	70.6	64.2	59.9	67.5
	S D	6.589	5.939	5.869	6.197	3.882	3.008	2.378	1.892	2.575	4.255	4.488	4.642	9.275
	TOTAL OBS	279	252	279	270	279	270	279	279	270	279	270	273	3279
12-14	MEAN	57.7	58.4	61.0	67.9	73.8	76.8	78.8	78.8	77.9	72.2	66.6	62.2	69.4
	S D	6.656	5.821	5.950	5.847	3.685	3.221	2.730	1.822	2.800	4.398	4.601	4.464	8.991
	TOTAL OBS	279	252	279	270	279	270	279	279	270	279	270	273	3279
15-17	MEAN	56.2	57.2	59.6	66.8	72.8	75.6	77.8	78.0	77.0	70.2	64.6	60.4	68.1
	S D	6.776	5.755	5.845	6.051	3.899	3.236	2.591	1.984	2.813	4.655	4.664	4.767	9.207
	TOTAL OBS	279	252	279	270	279	270	279	279	270	279	270	273	3279
18-20	MEAN	53.6	54.5	57.5	64.3	71.2	74.0	76.4	76.3	75.1	67.4	62.2	58.2	66.0
	S D	6.845	5.475	5.580	6.261	4.411	2.806	2.573	2.163	2.394	4.573	4.364	4.996	9.490
	TOTAL OBS	279	252	279	270	279	270	278	279	270	279	270	273	3278
21-23	MEAN	52.4	53.5	56.4	63.5	69.8	72.6	75.3	75.3	74.0	66.0	61.0	57.2	64.8
	S D	7.159	5.354	5.582	6.340	4.487	2.593	2.209	1.999	2.401	4.615	4.328	5.074	9.465
	TOTAL OBS	279	252	279	270	279	270	279	279	270	279	270	272	3278
ALL HOURS	MEAN	54.0	54.6	57.6	64.6	71.1	73.8	76.3	76.2	75.1	68.2	62.5	58.4	66.1
	S D	7.012	6.135	5.988	6.453	4.415	3.332	2.796	2.506	2.975	5.070	4.873	5.206	9.547
	TOTAL OBS	2230	2016	2232	2160	2221	2160	2231	2232	2160	2232	2160	2189	26233

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## MEANS AND STANDARD DEVIATIONS

DEW-POINT TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

42218 TAI-CHUNG TAIWAN/CHING CHUAN KANG 69-71

STATION		STATION NAME												YEARS
HRS LST		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
00-02	MEAN	50.5	51.0	54.7	61.5	68.5	71.2	74.1	74.2	73.2	65.3	59.2	55.6	63.3
	S D	8.212	7.042	6.086	6.792	4.763	2.529	2.451	2.013	2.598	5.382	4.766	5.640	10.050
	TOTAL OBS	277	252	279	270	278	270	279	279	270	279	270	276	3279
03-05	MEAN	50.4	50.4	54.1	60.8	68.0	70.3	73.3	73.2	72.2	64.5	58.1	54.7	62.6
	S D	7.943	7.020	6.047	6.651	4.536	2.475	2.510	2.034	2.558	5.445	4.919	5.529	9.924
	TOTAL OBS	279	252	279	270	279	270	279	279	270	279	270	276	3282
06-08	MEAN	50.4	50.7	54.5	61.1	68.6	71.0	74.1	73.7	73.0	65.3	58.5	54.8	63.1
	S D	7.789	6.785	5.811	6.851	4.821	2.744	2.324	2.323	2.741	5.519	5.126	5.652	10.128
	TOTAL OBS	279	252	279	270	279	270	279	279	270	279	270	273	3279
09-11	MEAN	51.8	52.3	56.1	62.4	69.0	72.5	74.4	74.5	74.0	67.6	60.3	56.8	64.4
	S D	7.923	6.954	5.855	7.232	4.612	3.201	2.878	2.283	2.918	5.198	5.264	5.468	9.982
	TOTAL OBS	279	252	279	270	279	270	279	279	270	279	270	273	3279
12-14	MEAN	53.4	53.6	57.4	63.8	70.2	74.1	75.5	75.9	75.7	69.0	62.1	58.5	65.8
	S D	7.872	6.586	5.780	6.750	4.281	3.376	3.026	2.336	2.911	5.221	5.196	5.341	9.788
	TOTAL OBS	279	252	279	270	279	270	279	279	270	279	270	273	3279
15-17	MEAN	53.0	53.2	56.8	63.3	69.5	73.1	74.6	75.4	74.9	67.6	61.2	57.6	65.1
	S D	7.756	6.422	5.765	6.630	4.505	3.245	3.055	2.154	2.863	5.311	5.192	5.549	9.684
	TOTAL OBS	279	252	279	270	279	270	279	279	270	279	270	273	3279
18-20	MEAN	51.6	52.2	55.7	62.2	69.1	72.3	74.6	74.8	74.1	65.6	60.2	56.6	64.2
	S D	7.954	6.443	5.989	6.901	5.072	2.868	2.864	2.417	2.663	5.263	5.095	5.981	9.947
	TOTAL OBS	279	252	279	270	279	270	278	279	270	279	270	273	3278
21-23	MEAN	50.5	51.6	54.9	61.8	68.3	71.5	74.2	74.2	73.1	64.4	59.3	55.9	63.4
	S D	8.841	6.395	6.198	6.949	5.271	2.737	2.527	2.401	2.747	5.308	4.893	6.048	10.074
	TOTAL OBS	279	252	279	270	279	270	279	279	270	279	270	272	3278
ALL HOURS	MEAN	51.5	51.9	55.5	62.1	68.9	72.0	74.3	74.5	73.8	66.2	59.9	56.3	64.0
	S D	8.108	6.785	6.035	6.905	4.759	3.132	2.776	2.390	2.940	5.552	5.208	5.784	9.988
	TOTAL OBS	2220	2010	2222	2100	2221	2160	2231	2232	2160	2232	2160	2189	26239

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

## RELATIVE HUMIDITY

42218 TAI-CHUNG TAIWAN/CHING CHUAN KANG  
STATION STATION NAME

69-71

PERIOD

ALL  
MONTH

### CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JAN	ALL	100.0	100.0	100.0	99.4	97.8	92.4	82.9	64.1	35.8	82.9	2230
FEB		100.0	100.0	100.0	99.2	96.3	88.8	78.0	57.6	32.9	80.9	2016
MAR		100.0	100.0	100.0	99.9	98.1	93.7	85.7	69.1	43.2	84.7	2232
APR		100.0	100.0	100.0	99.9	98.1	92.5	76.9	56.5	26.8	80.6	2160
MAY		100.0	100.0	100.0	99.9	98.1	91.5	76.7	55.9	24.4	80.4	2231
JUN		100.0	100.0	100.0	100.0	100.0	97.5	81.8	60.9	23.2	82.4	2160
JUL		100.0	100.0	100.0	100.0	99.4	94.7	72.6	53.2	25.6	80.5	2231
AUG		100.0	100.0	100.0	100.0	99.6	96.0	81.8	60.9	27.8	82.6	2232
SEP		100.0	100.0	100.0	100.0	100.0	98.8	90.2	70.4	41.8	86.3	2160
OCT		100.0	100.0	100.0	100.0	99.5	96.1	83.7	64.4	25.1	82.2	2232
NOV		100.0	100.0	100.0	99.8	98.8	93.2	78.4	53.0	19.4	79.7	2160
DEC		100.0	100.0	100.0	100.0	99.7	97.3	88.1	66.1	39.3	84.8	2169
TOTALS		100.0	100.0	100.0	99.8	98.8	94.4	81.4	61.0	30.4	82.3	26233

## RELATIVE HUMIDITY

69-71

JAN  
- MONTH

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10°	20°	30°	40°	50°	60°	70°	80°	90°		
JAN	00-02	100.0	100.0	100.0	99.6	97.8	96.8	94.6	84.1	57.0	88.3	277
	03-05	100.0	100.0	100.0	100.0	100.0	96.4	94.3	83.5	56.6	88.7	279
	06-08	100.0	100.0	100.0	100.0	99.6	96.4	92.8	80.6	47.7	87.6	279
	09-11	100.0	100.0	100.0	98.9	95.3	86.7	69.9	44.4	17.2	77.1	279
	12-14	100.0	100.0	100.0	98.6	95.0	77.1	50.2	23.7	8.2	70.9	279
	15-17	100.0	100.0	100.0	99.6	97.8	90.3	72.4	39.4	16.1	77.1	279
	18-20	100.0	100.0	100.0	100.0	99.3	98.2	93.9	76.7	36.6	83.9	279
	21-23	100.0	100.0	99.6	98.2	97.8	97.1	95.3	80.6	47.0	87.2	279
TOTALS		100.0	100.0	100.0	99.4	97.8	92.4	82.9	64.1	35.8	82.9	2230

## RELATIVE HUMIDITY

FEB

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		0%	20%	30%	40%	50%	60%	70%	80%	90%		
FEB	00-02	100.0	100.0	100.0	100.0	98.8	98.0	95.6	77.0	47.2	87.6	252
	03-05	100.0	100.0	100.0	100.0	99.6	98.0	95.6	78.2	52.0	87.8	252
	06-08	100.0	100.0	100.0	100.0	100.0	100.0	92.3	75.4	49.2	87.6	252
	09-11	100.0	100.0	100.0	97.6	92.1	78.6	61.1	37.7	18.7	74.0	252
	12-14	100.0	100.0	99.6	97.6	88.1	66.3	41.3	24.2	9.1	67.9	252
	15-17	100.0	100.0	100.0	98.0	94.4	76.2	53.6	34.1	13.9	72.5	252
	18-20	100.0	100.0	100.0	100.0	98.0	95.6	88.9	62.7	32.9	83.5	252
	21-23	100.0	100.0	100.0	100.0	99.2	98.0	95.6	71.8	40.1	86.2	252
TOTALS		100.0	100.0	100.0	99.2	96.3	88.8	78.0	57.6	32.9	80.9	2016

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

# RELATIVE HUMIDITY

42218 TAI-CHUNG TAIWAN/CHING CHUAN KANG

69-71

MAR  
MONTH

## CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
MAR	00-02	100.0	100.0	100.0	100.0	98.6	98.6	97.1	85.3	55.6	89.2	279
	03-05	100.0	100.0	100.0	100.0	100.0	100.0	98.2	87.1	62.7	90.8	279
	06-08	100.0	100.0	100.0	100.0	100.0	99.6	97.5	84.2	62.7	90.9	279
	09-11	100.0	100.0	100.0	99.6	96.1	85.3	71.0	49.8	31.2	79.0	279
	12-14	100.0	100.0	100.0	99.3	92.5	79.2	59.9	37.6	16.1	74.1	279
	15-17	100.0	100.0	100.0	100.0	98.6	89.6	75.6	49.5	24.4	79.1	279
	18-20	100.0	100.0	100.0	100.0	100.0	98.9	90.3	77.1	42.3	86.4	279
	21-23	100.0	100.0	100.0	100.0	99.3	98.2	96.1	82.1	50.9	88.5	279
TOTALS		100.0	100.0	100.0	99.9	98.1	93.7	85.7	69.1	43.2	84.7	2232

DATA PROCESSING DIVISION  
 FTAC/USAF  
 AIR WEATHER SERVICE/MAC

# RELATIVE HUMIDITY

42218 TAI-CHUNG TAIWAN/CHING CHUAN KANG

69-71

APR  
 MONTH

## CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
APR	00-02	100.0	100.0	100.0	100.0	99.6	98.9	97.4	85.2	47.8	88.6	270
	03-05	100.0	100.0	100.0	100.0	100.0	99.3	97.8	87.0	49.3	89.0	270
	06-08	100.0	100.0	100.0	99.6	99.3	97.8	88.9	72.2	37.0	85.3	270
	09-11	100.0	100.0	100.0	99.3	94.8	84.8	50.7	25.6	7.8	71.7	270
	12-14	100.0	100.0	100.0	100.0	92.3	77.8	40.0	15.6	3.3	68.3	270
	15-17	100.0	100.0	100.0	100.0	98.5	85.2	98.9	25.2	8.9	73.0	270
	18-20	100.0	100.0	100.0	100.0	100.0	97.4	87.8	65.2	20.7	82.5	270
	21-23	100.0	100.0	100.0	100.0	99.6	98.9	93.3	76.3	39.3	86.2	270
TOTALS		100.0	100.0	100.0	99.9	98.1	92.5	76.9	56.5	26.8	80.6	2160



## RELATIVE HUMIDITY

MAY  
MONTH

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
MAY	00-02	100.0	100.0	100.0	100.0	99.6	99.3	98.6	90.3	41.7	88.9	278
	03-05	100.0	100.0	100.0	100.0	100.0	100.0	99.6	92.5	54.8	90.4	279
	06-08	100.0	100.0	100.0	100.0	99.6	98.6	95.0	73.8	33.3	85.3	279
	09-11	100.0	100.0	100.0	100.0	97.1	85.3	48.4	20.8	6.5	71.5	279
	12-14	100.0	100.0	100.0	100.0	95.0	74.2	40.5	13.6	6.1	68.8	279
	15-17	100.0	100.0	100.0	99.3	95.3	80.3	53.0	21.1	5.7	71.5	279
	18-20	100.0	100.0	100.0	100.0	99.3	96.1	83.5	57.3	16.8	81.1	279
	21-23	100.0	100.0	100.0	100.0	98.9	97.8	93.0	78.1	30.1	85.9	279
TOTALS		100.0	100.0	100.0	99.9	98.1	91.5	76.7	55.9	24.4	80.4	2231

## RELATIVE HUMIDITY

49-71

444

STATION

STATION NAME

PERIOD

MONTH

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JUN	00-02	100.0	100.0	100.0	100.0	100.0	100.0	100.0	95.2	38.9	89.6	270
	03-05	100.0	100.0	100.0	100.0	100.0	100.0	100.0	95.9	44.4	90.3	270
	06-08	100.0	100.0	100.0	100.0	100.0	98.9	93.7	68.9	28.9	84.9	270
	09-11	100.0	100.0	100.0	100.0	99.6	92.6	53.3	23.7	11.9	74.4	270
	12-14	100.0	100.0	100.0	100.0	100.0	93.0	53.7	21.9	9.6	73.8	270
	15-17	100.0	100.0	100.0	100.0	100.0	95.2	61.9	25.6	11.1	75.7	270
	18-20	100.0	100.0	100.0	100.0	100.0	100.0	91.9	63.3	14.1	82.7	270
	21-23	100.0	100.0	100.0	100.0	100.0	100.0	100.0	93.0	26.7	87.8	270
TOTALS		100.0	100.0	100.0	100.0	100.0	97.5	81.8	60.9	23.2	82.4	2160

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

# RELATIVE HUMIDITY

42218 TAI-CHUNG TAIWAN/CHING CHUAN KANG

69-71

JUL

STATION

STATION NAME

PERIOD

MONTH

## CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JUL	00-02	100.0	100.0	100.0	100.0	100.0	99.6	99.3	92.8	55.2	90.8	279
	03-05	100.0	100.0	100.0	100.0	100.0	100.0	99.3	96.1	71.3	92.3	279
	06-08	100.0	100.0	100.0	100.0	100.0	100.0	94.3	73.1	32.3	86.1	279
	09-11	100.0	100.0	100.0	100.0	99.3	89.6	40.9	12.5	4.3	70.5	279
	12-14	100.0	100.0	100.0	100.0	98.6	83.5	27.2	6.8	1.8	67.4	279
	15-17	100.0	100.0	100.0	100.0	97.5	83.3	35.5	6.8	1.1	68.9	279
	18-20	100.0	100.0	100.0	100.0	100.0	99.6	84.9	49.6	7.2	80.2	278
	21-23	100.0	100.0	100.0	100.0	100.0	100.0	99.3	87.8	31.2	87.9	279
TOTALS		100.0	100.0	100.0	100.0	99.4	94.7	72.6	53.2	25.6	80.5	2231

## RELATIVE HUMIDITY

AUG  
MONTH

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10°	20°	30°	40°	50°	60°	70°	80°	90°		
AUG	00-02	100.0	100.0	100.0	100.0	100.0	100.0	99.6	98.6	53.4	91.6	279
	03-05	100.0	100.0	100.0	100.0	100.0	100.0	100.0	98.9	60.9	92.0	279
	06-08	100.0	100.0	100.0	100.0	100.0	100.0	98.9	82.8	36.6	87.8	279
	09-11	100.0	100.0	100.0	100.0	100.0	95.0	58.8	17.6	4.3	73.3	279
	12-14	100.0	100.0	100.0	100.0	97.8	84.6	47.7	10.4	2.9	70.0	279
	15-17	100.0	100.0	100.0	100.0	98.9	89.6	60.2	21.5	5.4	73.5	279
	18-20	100.0	100.0	100.0	100.0	100.0	99.6	90.7	65.6	20.8	83.6	279
	21-23	100.0	100.0	100.0	100.0	100.0	99.3	98.2	92.1	38.4	88.9	279
TOTALS		100.0	100.0	100.0	100.0	99.6	96.0	81.8	60.9	27.8	82.6	2232

## RELATIVE HUMIDITY

SEP  
MONTH

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
SEP	00-02	100.0	100.0	100.0	100.0	100.0	100.0	100.0	97.0	70.0	93.4	270
	03-05	100.0	100.0	100.0	100.0	100.0	100.0	100.0	97.0	75.6	93.5	270
	06-08	100.0	100.0	100.0	100.0	100.0	100.0	98.5	89.6	56.3	90.6	270
	09-11	100.0	100.0	100.0	100.0	100.0	95.6	73.7	35.6	16.3	78.4	270
	12-14	100.0	100.0	100.0	100.0	99.6	97.8	71.1	28.1	13.3	76.7	270
	15-17	100.0	100.0	100.0	100.0	100.0	97.4	60.4	35.9	10.4	76.5	270
	18-20	100.0	100.0	100.0	100.0	100.0	99.6	98.1	85.9	36.7	88.4	270
	21-23	100.0	100.0	100.0	100.0	100.0	100.0	99.6	93.7	55.9	91.2	270
TOTALS		100.0	100.0	100.0	100.0	100.0	98.8	90.2	70.4	41.8	86.3	2160

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

# RELATIVE HUMIDITY

42218 TAI-CHUNG TAIWAN/CHING CHUAN KANG

69-71

JCT

STATION

STATION NAME

PERIOD

MONTH

## CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JCT	00-02	100.0	100.0	100.0	100.0	100.0	100.0	97.5	90.7	44.4	88.7	279
	03-05	100.0	100.0	100.0	100.0	100.0	100.0	96.8	88.2	43.9	88.5	279
	06-08	100.0	100.0	100.0	100.0	99.6	98.9	93.5	78.5	33.0	85.8	279
	09-11	100.0	100.0	100.0	99.6	98.6	91.8	63.8	33.7	8.2	75.2	279
	12-14	100.0	100.0	100.0	100.0	98.6	86.0	53.4	21.9	4.7	72.1	279
	15-17	100.0	100.0	100.0	100.0	98.9	94.3	73.8	41.2	5.4	76.6	279
	18-20	100.0	100.0	100.0	100.0	100.0	97.8	93.9	76.3	25.1	84.4	279
	21-23	100.0	100.0	100.0	100.0	100.0	99.6	96.8	84.6	34.1	86.5	279
TOTALS		100.0	100.0	100.0	100.0	99.5	96.1	83.7	64.4	25.1	82.2	2232

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

# RELATIVE HUMIDITY

42218 TAI-CHUNG TAIWAN/CHING CHUAN KANG

69-71

NOV  
MONTH

## CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
NOV	00-02	100.0	100.0	100.0	100.0	100.0	99.3	96.3	80.7	33.2	86.8	270
	03-05	100.0	100.0	100.0	100.0	99.6	98.1	94.4	76.3	39.3	86.5	270
	06-08	100.0	100.0	100.0	100.0	98.9	97.0	92.6	71.1	24.1	83.7	270
	09-11	100.0	100.0	100.0	98.9	97.4	85.6	52.6	13.3	3.3	70.3	270
	12-14	100.0	100.0	100.0	99.3	95.2	73.3	34.4	7.0	1.5	66.4	270
	15-17	100.0	100.0	100.0	100.0	99.3	91.9	63.7	23.9	3.3	73.6	270
	18-20	100.0	100.0	100.0	100.0	100.0	100.0	94.4	68.9	18.9	83.5	270
	21-23	100.0	100.0	100.0	100.0	100.0	100.0	98.9	80.4	29.6	86.4	270
TOTALS		100.0	100.0	100.0	99.8	98.8	93.2	78.4	53.0	19.4	79.7	2160

## RELATIVE HUMIDITY

266

STATION

STATION NAME

PERIOD

MONTH

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
DEC	00-02	100.0	100.0	100.0	100.0	100.0	99.6	99.3	88.8	58.7	90.7	276
	03-05	100.0	100.0	100.0	100.0	100.0	100.0	99.3	86.2	63.0	91.1	276
	06-08	100.0	100.0	100.0	100.0	100.0	100.0	97.4	84.2	48.7	88.8	273
	09-11	100.0	100.0	100.0	100.0	99.6	93.2	74.7	37.4	12.5	77.2	273
	12-14	100.0	100.0	100.0	100.0	98.5	88.3	58.6	23.1	9.5	72.8	273
	15-17	100.0	100.0	100.0	100.0	100.0	96.7	81.0	43.4	17.9	79.4	273
	18-20	100.0	100.0	100.0	100.0	100.0	100.0	97.4	78.0	44.0	87.9	273
	21-23	100.0	100.0	100.0	100.0	99.6	98.9	97.4	85.3	60.3	90.5	272
TOTALS		100.0	100.0	100.0	100.0	99.7	97.3	88.1	66.1	39.3	84.8	2189



DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE (MAC)  
ASHEVILLE, NORTH CAROLINA

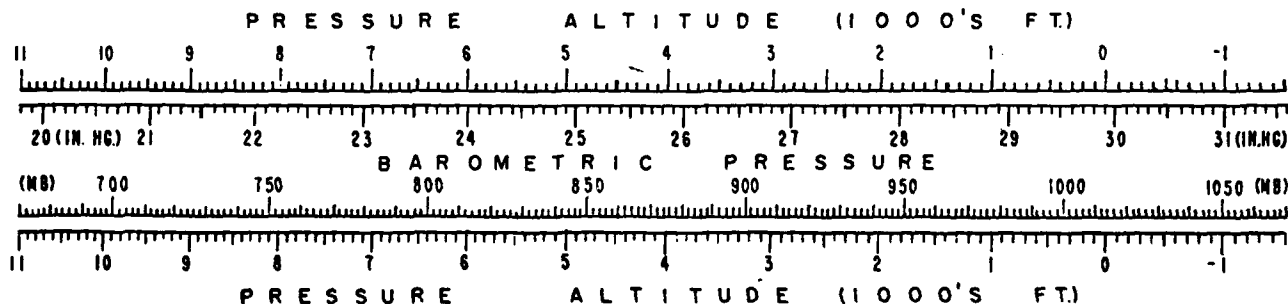
## PART F

## PRESSURE SUMMARY

Presented in this part are two tables giving the means, standard deviations, and total number of observations of station pressure and sea-level pressure by month and annual for the local hourly observations corresponding to the eight 3-hourly synoptic times GCT. The same computations are also provided at the bottom of the page for all hours combined. All years of data available are combined in both of these tables, although the overall period is limited to January 1946 through December 1963 because of changes in reporting practices before and after those dates.

1. Station pressure in inches of mercury.
2. Sea-level pressure in millibars. DATA NOT AVAILABLE

Provided below is a scale to convert station pressure values in inches of mercury or millibars to pressure altitude in 1000's of feet. This scale is an enlarged model of the pressure altitude scale in the Smithsonian Meteorological Tables.



DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## MEANS AND STANDARD DEVIATIONS

STATION PRESSURE IN INCHES HG FROM HOURLY OBSERVATIONS

42218 TAI-CHUNG TAIWAN/CHING CHUAN KANG 69-71

STATION

STATION NAME

YEARS

HRS LST		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
02	MEAN	29.36629	34429	31329	24729	12329	08029	03829	06329	03629	20029	32529	370	29.208
	S D	.106	.093	.096	.074	.077	.077	.155	.103	.171	.114	.071	.080	.166
	TOTAL OBS	93	84	93	90	93	90	93	93	89	93	90	92	1093
05	MEAN	29.35629	33529	29829	23829	11929	07729	03329	05529	02629	19529	32229	364	29.201
	S D	.108	.090	.091	.073	.075	.077	.161	.106	.162	.114	.070	.061	.165
	TOTAL OBS	93	84	93	90	93	90	93	93	89	93	90	92	1093
08	MEAN	29.34129	36729	33729	27629	15329	10629	06229	08329	06629	23629	36229	398	29.236
	S D	.106	.098	.087	.079	.078	.075	.145	.109	.154	.117	.069	.081	.165
	TOTAL OBS	93	84	93	90	93	90	93	93	89	93	90	90	1091
11	MEAN	29.39629	37529	34329	28229	15629	10429	05729	08029	06729	22829	35529	397	29.236
	S D	.099	.088	.091	.077	.077	.074	.136	.110	.147	.120	.070	.079	.165
	TOTAL OBS	93	84	93	90	93	90	93	93	88	93	90	91	1091
14	MEAN	29.32829	31029	28329	23329	11629	06929	02429	04229	01129	17629	28929	325	29.183
	S D	.097	.087	.090	.073	.075	.078	.134	.110	.150	.114	.070	.076	.155
	TOTAL OBS	93	84	93	90	93	90	93	93	89	93	90	91	1092
17	MEAN	29.33729	30329	26529	21329	09729	05229	00329	02329	00529	18429	29829	337	29.175
	S D	.100	.092	.093	.072	.072	.075	.135	.111	.150	.111	.071	.078	.162
	TOTAL OBS	93	84	93	90	93	90	93	93	90	93	90	91	1093
20	MEAN	29.37129	33529	29829	24929	13029	08729	03729	05729	03829	22029	33429	376	29.210
	S D	.104	.095	.094	.073	.074	.075	.136	.107	.166	.110	.071	.079	.164
	TOTAL OBS	93	84	93	90	93	90	93	93	90	93	90	91	1093
23	MEAN	29.37929	35229	32329	27229	15229	11229	06029	09029	05929	22929	34329	384	29.229
	S D	.101	.093	.093	.072	.076	.076	.149	.106	.180	.112	.071	.079	.162
	TOTAL OBS	93	84	93	90	93	90	93	93	89	93	90	91	1092
ALL HOURS	MEAN	29.36529	34029	30729	25129	13129	08629	03929	06229	03929	20929	32829	369	29.210
	S D	.105	.094	.095	.077	.078	.078	.145	.109	.161	.115	.074	.082	.164
	TOTAL OBS	744	672	744	720	744	720	744	744	712	744	720	729	8738

END

DATE  
FILMED

10-80

DTIC